Données pour les étudiants

### Exercice 1 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 0 | 2 | 25.23366 |
| 2 | 2 | -1 | 3 | 16.92429 |
| 3 | 1 | -3 | 0 | 18.89278 |
| 4 | 0 | -2 | 1 | 33.33798 |

### Exercice 2 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 0 | 3 | 64.26310 |
| 2 | 3 | 1 | 1 | 61.10898 |
| 3 | 2 | 2 | 2 | 58.62972 |
| 4 | 1 | 3 | 0 | 50.94606 |

### Exercice 3 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 2 | 0 | 82.78591 |
| 2 | -1 | 1 | 1 | 102.26310 |
| 3 | -3 | 0 | 2 | 56.98114 |
| 4 | -2 | 3 | 3 | 38.85695 |

### Exercice 4 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | -1 | 0 | 70.73615 |
| 2 | 2 | -3 | -1 | 62.34714 |
| 3 | 0 | 0 | -2 | 82.12166 |
| 4 | 1 | -2 | -3 | 58.48597 |

### Exercice 5 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | -1 | 1 | 68.76374 |
| 2 | 0 | -2 | 0 | 109.71304 |
| 3 | 1 | 0 | 2 | 88.25054 |
| 4 | 2 | -3 | 3 | 50.70474 |

### Exercice 6 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 1 | 0 | 86.30230 |
| 2 | 2 | 0 | 2 | 59.24918 |
| 3 | 3 | 3 | 1 | 29.69868 |
| 4 | 0 | 2 | 3 | 38.96796 |

### Exercice 7 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -3 | 2 | 56.07031 |
| 2 | 3 | 0 | 0 | 87.50020 |
| 3 | 1 | -2 | 3 | 60.36481 |
| 4 | 2 | -1 | 1 | 97.80035 |

### Exercice 8 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 3 | 2 | 39.69448 |
| 2 | 3 | 2 | 1 | 42.88539 |
| 3 | 0 | 0 | 0 | 85.58120 |
| 4 | 2 | 1 | 3 | 47.94737 |

### Exercice 9 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -3 | 2 | -3 | 19.28855 |
| 2 | -2 | 1 | 0 | 65.82111 |
| 3 | 0 | 0 | -2 | 62.59060 |
| 4 | -1 | 3 | -1 | 41.59635 |

### Exercice 10 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 1 | -3 | 47.43230 |
| 2 | -2 | 2 | -1 | 58.64510 |
| 3 | -1 | 3 | -2 | 39.61607 |
| 4 | -3 | 0 | 0 | 52.65044 |

### Exercice 11 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 3 | 3 | 65.94123 |
| 2 | 1 | 0 | 0 | 129.89746 |
| 3 | 2 | 1 | 2 | 102.54555 |
| 4 | 3 | 2 | 1 | 83.01685 |

### Exercice 12 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 1 | 3 | 60.03724 |
| 2 | 3 | 0 | 1 | 63.42175 |
| 3 | 1 | 2 | 0 | 70.07474 |
| 4 | 2 | 3 | 2 | 40.93636 |

### Exercice 13 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 3 | 0 | 5.592338 |
| 2 | 1 | 2 | 3 | 7.781004 |
| 3 | 3 | 1 | 2 | 11.605898 |
| 4 | 0 | 0 | 1 | 51.495387 |

### Exercice 14 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 1 | 0 | 99.37425 |
| 2 | 0 | 2 | 3 | 68.90455 |
| 3 | 1 | 0 | 1 | 120.72155 |
| 4 | 3 | 3 | 2 | 52.40212 |

### Exercice 15 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -3 | 3 | 0 | 8.628352 |
| 2 | -2 | 1 | 1 | 49.783153 |
| 3 | -1 | 0 | 2 | 48.627911 |
| 4 | 0 | 2 | 3 | 21.282859 |

### Exercice 16 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | -3 | -2 | 55.60989 |
| 2 | 1 | -2 | 0 | 103.06351 |
| 3 | 0 | 0 | -1 | 110.65288 |
| 4 | 2 | -1 | -3 | 71.35007 |

### Exercice 17 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | 2 | 0 | 61.63230 |
| 2 | -2 | 0 | 3 | 34.58214 |
| 3 | 0 | 3 | 1 | 41.61458 |
| 4 | -3 | 1 | 2 | 35.21599 |

### Exercice 18 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | -1 | 2 | 13.58786 |
| 2 | 2 | -3 | 0 | 16.70892 |
| 3 | 0 | 0 | 1 | 62.04218 |
| 4 | 1 | -2 | 3 | 20.54501 |

### Exercice 19 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -3 | 3 | 8.593078 |
| 2 | 2 | 0 | 1 | 62.563345 |
| 3 | 3 | -2 | 0 | 25.634465 |
| 4 | 0 | -1 | 2 | 49.856183 |

### Exercice 20 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | 2 | 1 | 88.78973 |
| 2 | -2 | 3 | 3 | 42.37544 |
| 3 | -3 | 0 | 2 | 55.79222 |
| 4 | 0 | 1 | 0 | 104.13825 |

### Exercice 21 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 3 | 0 | 27.01812 |
| 2 | 1 | 0 | 1 | 84.99046 |
| 3 | 0 | 1 | 2 | 62.80671 |
| 4 | 2 | 2 | 3 | 32.20306 |

### Exercice 22 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -2 | 2 | 47.38464 |
| 2 | 0 | -1 | 3 | 51.51822 |
| 3 | 1 | -3 | 1 | 40.78755 |
| 4 | 3 | 0 | 0 | 51.70872 |

### Exercice 23 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 3 | 1 | 43.73793 |
| 2 | 0 | 2 | 0 | 65.90692 |
| 3 | 3 | 1 | 3 | 38.75797 |
| 4 | 1 | 0 | 2 | 81.17330 |

### Exercice 24 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 2 | 0 | 36.43310 |
| 2 | 1 | 0 | 3 | 46.57437 |
| 3 | 0 | 1 | 2 | 61.83929 |
| 4 | 2 | 3 | 1 | 34.34539 |

### Exercice 25 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | -1 | 2 | 11.459952 |
| 2 | 2 | 0 | 0 | 38.354090 |
| 3 | 1 | -2 | 3 | 8.152732 |
| 4 | 0 | -3 | 1 | 6.993742 |

### Exercice 26 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 0 | -1 | 25.76888 |
| 2 | 2 | -3 | 0 | 20.32461 |
| 3 | 1 | -2 | -3 | 15.61682 |
| 4 | 0 | -1 | -2 | 40.77953 |

### Exercice 27 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -2 | -2 | -3 | 57.45181 |
| 2 | -1 | 0 | -2 | 86.83686 |
| 3 | -3 | -1 | 0 | 68.66813 |
| 4 | 0 | -3 | -1 | 79.32028 |

### Exercice 28 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 3 | 2 | 47.61858 |
| 2 | 3 | 2 | 1 | 50.04009 |
| 3 | 0 | 0 | 3 | 58.28835 |
| 4 | 1 | 1 | 0 | 95.53316 |

### Exercice 29 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -3 | 0 | -1 | 50.59616 |
| 2 | -1 | 3 | 0 | 43.70701 |
| 3 | 0 | 2 | -3 | 36.54631 |
| 4 | -2 | 1 | -2 | 57.70543 |

### Exercice 30 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -3 | 1 | -1 | 60.59866 |
| 2 | -2 | 0 | 0 | 80.72964 |
| 3 | 0 | 3 | -3 | 34.01128 |
| 4 | -1 | 2 | -2 | 65.27373 |

### Exercice 31 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -2 | -3 | -2 | 35.45120 |
| 2 | 0 | -2 | -1 | 74.61096 |
| 3 | -1 | 0 | 0 | 77.32422 |
| 4 | -3 | -1 | -3 | 23.50987 |

### Exercice 32 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 0 | -3 | 68.49819 |
| 2 | -2 | -1 | -1 | 87.61293 |
| 3 | -3 | -2 | -2 | 55.12795 |
| 4 | -1 | -3 | 0 | 76.53419 |

### Exercice 33 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 0 | 0 | 109.46295 |
| 2 | 2 | 2 | 3 | 57.33017 |
| 3 | 0 | 1 | 1 | 101.53364 |
| 4 | 3 | 3 | 2 | 42.27935 |

### Exercice 34 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -3 | 0 | -1 | 44.09005 |
| 2 | 0 | -1 | 0 | 93.40682 |
| 3 | -1 | -2 | -2 | 61.70738 |
| 4 | -2 | -3 | -3 | 25.71529 |

### Exercice 35 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 0 | 3 | 22.18835 |
| 2 | 0 | -1 | 2 | 74.16973 |
| 3 | 2 | -2 | 0 | 60.88275 |
| 4 | 1 | -3 | 1 | 58.73161 |

### Exercice 36 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -1 | 2 | 90.12570 |
| 2 | 2 | 0 | 0 | 80.45472 |
| 3 | 3 | -2 | 3 | 41.69792 |
| 4 | 0 | -3 | 1 | 74.80048 |

### Exercice 37 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 2 | 3 | 9.942266 |
| 2 | -1 | 0 | 0 | 46.797346 |
| 3 | -3 | 1 | 2 | 3.281452 |
| 4 | -2 | 3 | 1 | 13.212003 |

### Exercice 38 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -3 | 2 | 54.96662 |
| 2 | 1 | 0 | 3 | 76.85156 |
| 3 | 3 | -2 | 1 | 58.83942 |
| 4 | 2 | -1 | 0 | 85.22799 |

### Exercice 39 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 1 | 3 | 98.60094 |
| 2 | 0 | 2 | 0 | 117.58823 |
| 3 | 3 | 3 | 2 | 77.37363 |
| 4 | 1 | 0 | 1 | 144.70777 |

### Exercice 40 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | 0 | 0 | 116.19819 |
| 2 | -2 | 2 | 1 | 91.82988 |
| 3 | -3 | 1 | 2 | 75.20350 |
| 4 | 0 | 3 | 3 | 61.42951 |

### Exercice 41 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 0 | 0 | 34.10418 |
| 2 | 1 | 3 | 2 | 38.96894 |
| 3 | 2 | 2 | 3 | 26.85949 |
| 4 | 0 | 1 | 1 | 85.03948 |

### Exercice 42 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 3 | 3 | 15.37797 |
| 2 | -2 | 0 | 1 | 55.81080 |
| 3 | -1 | 1 | 2 | 56.59487 |
| 4 | -3 | 2 | 0 | 28.58629 |

### Exercice 43 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -2 | 2 | 0 | 107.70445 |
| 2 | -3 | 3 | -3 | 62.79242 |
| 3 | 0 | 1 | -2 | 116.10609 |
| 4 | -1 | 0 | -1 | 138.82888 |

### Exercice 44 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 1 | 3 | 1.099643 |
| 2 | 1 | 3 | 2 | 10.515521 |
| 3 | 2 | 0 | 1 | 43.390884 |
| 4 | 0 | 2 | 0 | 35.630527 |

### Exercice 45 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -2 | 1 | 3 | 32.74139 |
| 2 | -1 | 3 | 0 | 39.35685 |
| 3 | 0 | 0 | 2 | 58.17362 |
| 4 | -3 | 2 | 1 | 32.82690 |

### Exercice 46 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 3 | 1 | 41.33866 |
| 2 | 0 | 0 | 2 | 71.50400 |
| 3 | 3 | 2 | 3 | 19.61024 |
| 4 | 2 | 1 | 0 | 59.21870 |

### Exercice 47 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 2 | 3 | 7.586552 |
| 2 | 2 | 3 | 0 | 10.435674 |
| 3 | 3 | 0 | 2 | 12.029833 |
| 4 | 1 | 1 | 1 | 55.060702 |

### Exercice 48 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -3 | 2 | 70.84199 |
| 2 | 3 | -1 | 3 | 68.39254 |
| 3 | 2 | 0 | 1 | 116.50922 |
| 4 | 0 | -2 | 0 | 96.79593 |

### Exercice 49 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -3 | 0 | 104.19824 |
| 2 | 2 | -2 | 1 | 103.66088 |
| 3 | 0 | 0 | 2 | 113.07461 |
| 4 | 3 | -1 | 3 | 68.61518 |

### Exercice 50 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | -1 | -1 | 54.46547 |
| 2 | 0 | -2 | -2 | 69.90302 |
| 3 | 1 | -3 | 0 | 67.58049 |
| 4 | 2 | 0 | -3 | 42.35231 |

### Exercice 51 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -3 | -3 | 71.40726 |
| 2 | 3 | -1 | -2 | 84.63504 |
| 3 | 0 | 0 | 0 | 132.21872 |
| 4 | 1 | -2 | -1 | 121.63333 |

### Exercice 52 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -3 | 2 | 3 | 4.085007 |
| 2 | -2 | 1 | 2 | 38.595352 |
| 3 | 0 | 3 | 1 | 34.401242 |
| 4 | -1 | 0 | 0 | 60.186490 |

### Exercice 53 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 0 | 3 | 30.99909 |
| 2 | 0 | -3 | 0 | 19.68171 |
| 3 | 3 | -1 | 1 | 31.72341 |
| 4 | 1 | -2 | 2 | 36.43225 |

### Exercice 54 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 1 | 3 | 42.41619 |
| 2 | 1 | 2 | 0 | 70.61697 |
| 3 | 2 | 0 | 1 | 84.95786 |
| 4 | 0 | 3 | 2 | 45.80943 |

### Exercice 55 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | -1 | 0 | 34.34572 |
| 2 | 2 | -2 | 2 | 29.91972 |
| 3 | 0 | 0 | 3 | 33.30048 |
| 4 | 1 | -3 | 1 | 23.53993 |

### Exercice 56 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -3 | 2 | 12.86223 |
| 2 | 2 | 0 | 0 | 49.06530 |
| 3 | 1 | -2 | 3 | 18.86394 |
| 4 | 3 | -1 | 1 | 27.82996 |

### Exercice 57 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -2 | 2 | 77.08992 |
| 2 | 3 | -1 | 1 | 56.62765 |
| 3 | 1 | 0 | 3 | 61.80367 |
| 4 | 2 | -3 | 0 | 53.67183 |

### Exercice 58 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 0 | 1 | 101.79417 |
| 2 | 3 | 1 | 0 | 77.05939 |
| 3 | 0 | 3 | 3 | 62.22328 |
| 4 | 1 | 2 | 2 | 91.09023 |

### Exercice 59 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 0 | 3 | 19.40763 |
| 2 | 0 | 2 | 1 | 52.08858 |
| 3 | 1 | 1 | 2 | 57.86432 |
| 4 | 2 | 3 | 0 | 25.88561 |

### Exercice 60 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -3 | 0 | 28.67126 |
| 2 | 1 | -2 | 2 | 43.73026 |
| 3 | 3 | 0 | 3 | 25.65958 |
| 4 | 2 | -1 | 1 | 61.22516 |

### Exercice 61 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 2 | 2 | 17.300130 |
| 2 | 0 | 1 | 3 | 19.084936 |
| 3 | 3 | 0 | 1 | 9.648945 |
| 4 | 1 | 3 | 0 | 23.924066 |

### Exercice 62 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -3 | 2 | 2 | 50.78246 |
| 2 | -2 | 1 | 0 | 86.22220 |
| 3 | 0 | 0 | 3 | 61.75445 |
| 4 | -1 | 3 | 1 | 74.71187 |

### Exercice 63 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 2 | 0 | 82.15183 |
| 2 | -1 | 0 | -2 | 89.00767 |
| 3 | -2 | 3 | -1 | 59.08303 |
| 4 | -3 | 1 | -3 | 49.26606 |

### Exercice 64 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -2 | 1 | 2 | 33.23747 |
| 2 | -1 | 2 | 3 | 21.33214 |
| 3 | -3 | 3 | 1 | 11.29345 |
| 4 | 0 | 0 | 0 | 65.15808 |

### Exercice 65 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 1 | 0 | 95.14548 |
| 2 | 3 | 3 | 1 | 45.00606 |
| 3 | 1 | 0 | 3 | 72.62803 |
| 4 | 2 | 2 | 2 | 67.31606 |

### Exercice 66 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 2 | 1 | 59.45176 |
| 2 | -1 | 1 | 2 | 60.65993 |
| 3 | -2 | 0 | 3 | 32.58318 |
| 4 | -3 | 3 | 0 | 19.69342 |

### Exercice 67 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -2 | 1 | 0 | 68.07991 |
| 2 | 0 | 2 | -3 | 36.23796 |
| 3 | -1 | 3 | -2 | 36.73876 |
| 4 | -3 | 0 | -1 | 50.28782 |

### Exercice 68 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -2 | -1 | 72.38053 |
| 2 | 1 | 0 | 0 | 92.98428 |
| 3 | 0 | -1 | -3 | 58.98030 |
| 4 | 3 | -3 | -2 | 36.56537 |

### Exercice 69 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 0 | 3 | 114.83602 |
| 2 | 3 | 3 | 2 | 78.40051 |
| 3 | 2 | 1 | 0 | 124.44339 |
| 4 | 0 | 2 | 1 | 118.62660 |

### Exercice 70 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 0 | 3 | 58.74605 |
| 2 | 3 | -1 | 0 | 57.21274 |
| 3 | 1 | -2 | 2 | 64.17920 |
| 4 | 0 | -3 | 1 | 49.34535 |

### Exercice 71 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 3 | 2 | 52.18308 |
| 2 | 0 | 1 | 3 | 85.24086 |
| 3 | 2 | 0 | 1 | 100.40082 |
| 4 | 1 | 2 | 0 | 93.35174 |

### Exercice 72 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 2 | 1 | 91.53912 |
| 2 | 0 | 1 | 3 | 80.53600 |
| 3 | 3 | 0 | 0 | 82.12516 |
| 4 | 2 | 3 | 2 | 60.16851 |

### Exercice 73 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | -1 | 1 | 30.85548 |
| 2 | 0 | 0 | 0 | 74.40104 |
| 3 | 2 | -3 | 2 | 25.49342 |
| 4 | 1 | -2 | 3 | 31.52168 |

### Exercice 74 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 0 | 2 | 51.45605 |
| 2 | 3 | -1 | 1 | 33.88408 |
| 3 | 2 | -2 | 3 | 15.10830 |
| 4 | 1 | -3 | 0 | 21.43395 |

### Exercice 75 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 0 | 1 | 158.34295 |
| 2 | 2 | 1 | 3 | 107.92975 |
| 3 | 3 | 3 | 2 | 82.55022 |
| 4 | 0 | 2 | 0 | 120.27608 |

### Exercice 76 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 2 | 3 | 35.91893 |
| 2 | 2 | 1 | 0 | 54.85366 |
| 3 | 1 | 3 | 1 | 36.97362 |
| 4 | 3 | 0 | 2 | 34.57945 |

### Exercice 77 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 2 | 1 | 62.262788 |
| 2 | 2 | 1 | 0 | 54.153044 |
| 3 | 0 | 0 | 2 | 56.181930 |
| 4 | 3 | 3 | 3 | 1.510771 |

### Exercice 78 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 0 | 0 | 114.99918 |
| 2 | 1 | -3 | -3 | 60.95387 |
| 3 | 3 | -1 | -2 | 75.53307 |
| 4 | 2 | -2 | -1 | 93.65643 |

### Exercice 79 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | 3 | 0 | 41.03783 |
| 2 | -3 | 2 | 3 | 13.45850 |
| 3 | 0 | 1 | 2 | 63.70785 |
| 4 | -2 | 0 | 1 | 55.06612 |

### Exercice 80 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -2 | 3 | 36.75801 |
| 2 | 0 | -1 | 1 | 75.39375 |
| 3 | 3 | 0 | 0 | 63.89340 |
| 4 | 2 | -3 | 2 | 31.93933 |

### Exercice 81 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 1 | 3 | 5.430221 |
| 2 | 3 | 2 | 1 | 2.876738 |
| 3 | 1 | 0 | 2 | 28.381879 |
| 4 | 2 | 3 | 0 | 0.677804 |

### Exercice 82 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 2 | 0 | 80.30906 |
| 2 | 0 | 3 | 1 | 57.89813 |
| 3 | 2 | 0 | 2 | 72.69474 |
| 4 | 3 | 1 | 3 | 42.79349 |

### Exercice 83 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 3 | 0 | 18.59752 |
| 2 | 1 | 1 | 2 | 57.48641 |
| 3 | 0 | 0 | 3 | 35.44041 |
| 4 | 2 | 2 | 1 | 48.13938 |

### Exercice 84 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 0 | 0 | 94.01182 |
| 2 | 1 | -3 | -3 | 39.96651 |
| 3 | 3 | -1 | -2 | 54.54570 |
| 4 | 2 | -2 | -1 | 72.66906 |

### Exercice 85 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 0 | 0 | 63.88122 |
| 2 | 1 | 1 | 3 | 61.43496 |
| 3 | 0 | 3 | 1 | 54.86990 |
| 4 | 2 | 2 | 2 | 60.78804 |

### Exercice 86 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 1 | 2 | 47.43459 |
| 2 | 2 | 3 | 0 | 23.46037 |
| 3 | 3 | 2 | 1 | 25.65930 |
| 4 | 1 | 0 | 3 | 30.60636 |

### Exercice 87 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 2 | 0 | 70.35718 |
| 2 | 1 | 1 | 2 | 95.16815 |
| 3 | 2 | 0 | 1 | 99.27372 |
| 4 | 0 | 3 | 3 | 51.99074 |

### Exercice 88 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 0 | 1 | 70.01484 |
| 2 | 1 | -1 | 0 | 109.27673 |
| 3 | 2 | -2 | 2 | 77.01124 |
| 4 | 0 | -3 | 3 | 62.20437 |

### Exercice 89 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -2 | 0 | 34.741426 |
| 2 | 1 | 0 | 2 | 55.144647 |
| 3 | 0 | -1 | 3 | 27.793019 |
| 4 | 3 | -3 | 1 | 6.369618 |

### Exercice 90 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -2 | 1 | 121.7408 |
| 2 | 2 | -1 | 0 | 129.2148 |
| 3 | 3 | -3 | 2 | 80.5061 |
| 4 | 0 | 0 | 3 | 110.5833 |

### Exercice 91 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -3 | -2 | 79.43870 |
| 2 | 2 | -2 | -1 | 93.42477 |
| 3 | 0 | 0 | 0 | 118.06552 |
| 4 | 3 | -1 | -3 | 56.88922 |

### Exercice 92 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | 1 | -2 | 72.82139 |
| 2 | -2 | 3 | -3 | 25.98452 |
| 3 | 0 | 0 | 0 | 85.29351 |
| 4 | -3 | 2 | -1 | 46.69749 |

### Exercice 93 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 3 | 2 | 60.20617 |
| 2 | -2 | 2 | 3 | 54.39321 |
| 3 | -1 | 0 | 1 | 103.89199 |
| 4 | -3 | 1 | 0 | 67.87266 |

### Exercice 94 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 0 | -2 | 95.30014 |
| 2 | 2 | -3 | -3 | 54.61244 |
| 3 | 3 | -1 | -1 | 82.94463 |
| 4 | 1 | -2 | 0 | 103.67028 |

### Exercice 95 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -3 | 3 | 0 | 19.61771 |
| 2 | -1 | 2 | 1 | 63.73829 |
| 3 | 0 | 1 | 3 | 44.97789 |
| 4 | -2 | 0 | 2 | 48.06399 |

### Exercice 96 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 3 | 2 | 66.91775 |
| 2 | 2 | 2 | 1 | 81.35144 |
| 3 | 0 | 1 | 0 | 105.43912 |
| 4 | 3 | 0 | 3 | 58.09312 |

### Exercice 97 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 3 | 0 | 60.44985 |
| 2 | 0 | 2 | 3 | 74.06578 |
| 3 | 2 | 1 | 2 | 96.04078 |
| 4 | 1 | 0 | 1 | 129.34688 |

### Exercice 98 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -2 | 1 | -2 | 110.58593 |
| 2 | -1 | 0 | 0 | 137.75969 |
| 3 | 0 | 3 | -3 | 75.99059 |
| 4 | -3 | 2 | -1 | 93.58559 |

### Exercice 99 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 0 | 0 | 112.58431 |
| 2 | 3 | -1 | 3 | 60.63508 |
| 3 | 0 | -3 | 2 | 60.29249 |
| 4 | 1 | -2 | 1 | 91.47867 |

### Exercice 100 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -3 | 3 | 35.22379 |
| 2 | 1 | -1 | 2 | 80.73239 |
| 3 | 0 | -2 | 0 | 83.77536 |
| 4 | 3 | 0 | 1 | 52.65905 |

### Exercice 101 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -3 | 0 | 40.89292 |
| 2 | 2 | -2 | 3 | 25.49881 |
| 3 | 3 | -1 | 2 | 27.70084 |
| 4 | 0 | 0 | 1 | 76.15515 |

### Exercice 102 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 3 | 1 | 46.99168 |
| 2 | 2 | 2 | 3 | 57.95708 |
| 3 | 0 | 1 | 0 | 98.01212 |
| 4 | 1 | 0 | 2 | 100.18387 |

### Exercice 103 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 0 | 0 | 51.18818 |
| 2 | 0 | 1 | 3 | 46.75745 |
| 3 | 2 | 2 | 1 | 53.60181 |
| 4 | 1 | 3 | 2 | 34.73787 |

### Exercice 104 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 1 | 0 | 23.02818 |
| 2 | 2 | 3 | 1 | 23.12559 |
| 3 | 1 | 0 | 2 | 42.27984 |
| 4 | 0 | 2 | 3 | 24.44155 |

### Exercice 105 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | -2 | 1 | 40.75754 |
| 2 | 2 | -3 | 0 | 34.93847 |
| 3 | 1 | -1 | 3 | 48.93906 |
| 4 | 0 | 0 | 2 | 69.74927 |

### Exercice 106 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -2 | 2 | 19.411383 |
| 2 | 1 | 0 | 0 | 72.610192 |
| 3 | 0 | -1 | 3 | 14.487212 |
| 4 | 3 | -3 | 1 | 1.072238 |

### Exercice 107 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 0 | 1 | 45.274672 |
| 2 | 3 | 1 | 3 | 3.973175 |
| 3 | 0 | 2 | 2 | 28.558497 |
| 4 | 1 | 3 | 0 | 17.504519 |

### Exercice 108 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 2 | 1 | 79.27540 |
| 2 | 1 | 0 | 3 | 61.54448 |
| 3 | 3 | 3 | 0 | 43.03880 |
| 4 | 2 | 1 | 2 | 72.62683 |

### Exercice 109 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -1 | -3 | 31.50844 |
| 2 | -1 | -3 | -1 | 36.39308 |
| 3 | -3 | -2 | -2 | 15.39040 |
| 4 | -2 | 0 | 0 | 44.52211 |

### Exercice 110 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | -2 | 3 | 49.91047 |
| 2 | 0 | -1 | 2 | 95.00829 |
| 3 | 1 | -3 | 0 | 64.87322 |
| 4 | 2 | 0 | 1 | 101.28631 |

### Exercice 111 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -2 | -3 | 52.83392 |
| 2 | 0 | 0 | -1 | 91.38212 |
| 3 | 2 | -1 | 0 | 81.14064 |
| 4 | 3 | -3 | -2 | 36.08851 |

### Exercice 112 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -2 | 1 | 0 | 94.16278 |
| 2 | -3 | 3 | 3 | 38.05277 |
| 3 | -1 | 0 | 1 | 101.49593 |
| 4 | 0 | 2 | 2 | 88.02729 |

### Exercice 113 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 1 | 2 | 59.81287 |
| 2 | 2 | 3 | 3 | 39.03660 |
| 3 | 1 | 0 | 1 | 102.82227 |
| 4 | 0 | 2 | 0 | 82.23910 |

### Exercice 114 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 0 | 3 | 49.07669 |
| 2 | 2 | 2 | 2 | 42.95893 |
| 3 | 0 | 1 | 1 | 80.07072 |
| 4 | 3 | 3 | 0 | 16.99934 |

### Exercice 115 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -2 | 1 | 116.14960 |
| 2 | 0 | 0 | 2 | 131.44476 |
| 3 | 1 | -1 | 0 | 141.28872 |
| 4 | 3 | -3 | 3 | 72.16482 |

### Exercice 116 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 0 | 2 | 33.20517 |
| 2 | 0 | 3 | 1 | 57.05820 |
| 3 | 1 | 2 | 0 | 72.78654 |
| 4 | 2 | 1 | 3 | 37.44234 |

### Exercice 117 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -1 | 0 | 114.46932 |
| 2 | 0 | 0 | 3 | 76.88183 |
| 3 | 2 | -3 | 2 | 66.42436 |
| 4 | 3 | -2 | 1 | 67.95611 |

### Exercice 118 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 3 | 0 | 53.32065 |
| 2 | 3 | 1 | 1 | 58.32310 |
| 3 | 0 | 2 | 3 | 44.35403 |
| 4 | 2 | 0 | 2 | 66.18277 |

### Exercice 119 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -2 | 0 | 106.67736 |
| 2 | 0 | -3 | 3 | 66.49148 |
| 3 | 3 | 0 | 1 | 108.07608 |
| 4 | 1 | -1 | 2 | 112.47468 |

### Exercice 120 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | 0 | 2 | 40.758025 |
| 2 | 0 | 2 | 1 | 46.154756 |
| 3 | -3 | 1 | 3 | 0.052302 |
| 4 | -2 | 3 | 0 | 13.768728 |

### Exercice 121 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -1 | -3 | 23.10192 |
| 2 | 3 | -3 | 0 | 19.70458 |
| 3 | 0 | 0 | -1 | 65.94494 |
| 4 | 1 | -2 | -2 | 45.83659 |

### Exercice 122 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -1 | 0 | 73.75534 |
| 2 | 2 | 0 | 2 | 62.45320 |
| 3 | 0 | -3 | 3 | 21.36472 |
| 4 | 3 | -2 | 1 | 35.62418 |

### Exercice 123 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -2 | -1 | 112.39612 |
| 2 | 1 | 0 | -3 | 77.16128 |
| 3 | 3 | -3 | 0 | 68.47601 |
| 4 | 2 | -1 | -2 | 88.77886 |

### Exercice 124 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -3 | 0 | 65.27138 |
| 2 | 0 | 0 | 2 | 86.61307 |
| 3 | 3 | -1 | 3 | 53.32386 |
| 4 | 2 | -2 | 1 | 78.90806 |

### Exercice 125 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 0 | -2 | 56.59215 |
| 2 | 1 | -3 | -3 | 42.97809 |
| 3 | 0 | -2 | 0 | 84.81015 |
| 4 | 2 | -1 | -1 | 86.21657 |

### Exercice 126 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -2 | 0 | -3 | 12.833357 |
| 2 | -1 | 2 | 0 | 35.536081 |
| 3 | 0 | 3 | -2 | 6.913485 |
| 4 | -3 | 1 | -1 | 21.166779 |

### Exercice 127 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 0 | 2 | 50.13762 |
| 2 | 3 | -1 | 3 | 10.71711 |
| 3 | 0 | -3 | 0 | 50.90308 |
| 4 | 2 | -2 | 1 | 45.76280 |

### Exercice 128 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 0 | 3 | 19.66128 |
| 2 | 1 | 2 | 1 | 48.85513 |
| 3 | 0 | 1 | 2 | 52.14246 |
| 4 | 2 | 3 | 0 | 21.33310 |

### Exercice 129 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 2 | 1 | 35.646122 |
| 2 | 3 | 1 | 0 | 18.681006 |
| 3 | 0 | 3 | 2 | 6.085012 |
| 4 | 2 | 0 | 3 | 9.064590 |

### Exercice 130 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 0 | -2 | 93.24504 |
| 2 | -3 | -3 | 0 | 56.87893 |
| 3 | -1 | -2 | -3 | 69.81237 |
| 4 | -2 | -1 | -1 | 92.93467 |

### Exercice 131 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -1 | -3 | 75.70598 |
| 2 | 1 | -2 | 0 | 117.25974 |
| 3 | 3 | -3 | -2 | 63.25540 |
| 4 | 0 | 0 | -1 | 118.54900 |

### Exercice 132 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 3 | 0 | 30.30961 |
| 2 | 3 | 0 | 2 | 31.90377 |
| 3 | 0 | 2 | 1 | 54.39657 |
| 4 | 1 | 1 | 3 | 36.67066 |

### Exercice 133 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 2 | 0 | 112.06992 |
| 2 | 2 | 3 | 3 | 73.02368 |
| 3 | 3 | 1 | 1 | 96.95481 |
| 4 | 0 | 0 | 2 | 125.49703 |

### Exercice 134 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 0 | 1 | 27.27059 |
| 2 | 1 | -3 | 0 | 11.97413 |
| 3 | 2 | -1 | 3 | 18.64706 |
| 4 | 0 | -2 | 2 | 26.73199 |

### Exercice 135 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -3 | 0 | 3 | 45.66394 |
| 2 | -2 | 1 | 0 | 93.37867 |
| 3 | -1 | 3 | 2 | 71.37857 |
| 4 | 0 | 2 | 1 | 103.11885 |

### Exercice 136 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 3 | 3 | 27.22675 |
| 2 | 3 | 0 | 2 | 43.35835 |
| 3 | 2 | 2 | 1 | 59.15640 |
| 4 | 0 | 1 | 0 | 81.36048 |

### Exercice 137 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | 0 | -3 | 72.28702 |
| 2 | 0 | 2 | 0 | 86.03633 |
| 3 | -2 | 1 | -2 | 82.39784 |
| 4 | -3 | 3 | -1 | 51.20297 |

### Exercice 138 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 1 | 2 | 96.52926 |
| 2 | 3 | 0 | 3 | 58.07257 |
| 3 | 2 | 3 | 1 | 65.65756 |
| 4 | 0 | 2 | 0 | 88.94611 |

### Exercice 139 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 3 | 1 | 48.60766 |
| 2 | 3 | 1 | 2 | 27.16404 |
| 3 | 1 | 0 | 0 | 68.35782 |
| 4 | 2 | 2 | 3 | 24.83823 |

### Exercice 140 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -2 | 1 | 0 | 114.02577 |
| 2 | -1 | 2 | 2 | 105.22420 |
| 3 | 0 | 3 | 1 | 105.02744 |
| 4 | -3 | 0 | 3 | 66.31105 |

### Exercice 141 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | -3 | 1 | 27.64762 |
| 2 | 1 | -2 | 0 | 62.87424 |
| 3 | 0 | -1 | 2 | 72.95901 |
| 4 | 2 | 0 | 3 | 53.27899 |

### Exercice 142 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 3 | 0 | 56.15872 |
| 2 | 1 | 0 | 1 | 102.70549 |
| 3 | 2 | 1 | 3 | 56.59866 |
| 4 | 3 | 2 | 2 | 48.48458 |

### Exercice 143 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -3 | 1 | 3 | 31.48588 |
| 2 | -2 | 2 | 1 | 61.65443 |
| 3 | 0 | 0 | 0 | 86.14012 |
| 4 | -1 | 3 | 2 | 48.64345 |

### Exercice 144 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 2 | 1 | 50.295116 |
| 2 | -2 | 3 | 3 | 1.470465 |
| 3 | -1 | 1 | 2 | 47.360852 |
| 4 | -3 | 0 | 0 | 19.979954 |

### Exercice 145 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 1 | 0 | 92.95355 |
| 2 | 1 | 3 | 3 | 41.22001 |
| 3 | 3 | 2 | 1 | 57.00300 |
| 4 | 2 | 0 | 2 | 77.15799 |

### Exercice 146 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 0 | 2 | 59.95423 |
| 2 | 3 | 1 | 3 | 30.45873 |
| 3 | 0 | 2 | 1 | 66.60909 |
| 4 | 1 | 3 | 0 | 48.76786 |

### Exercice 147 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -3 | -1 | 40.62579 |
| 2 | 1 | -1 | -2 | 58.77049 |
| 3 | 2 | 0 | -3 | 30.86506 |
| 4 | 3 | -2 | 0 | 36.53049 |

### Exercice 148 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 3 | 0 | 45.44699 |
| 2 | 1 | 1 | 3 | 47.22185 |
| 3 | 3 | 2 | 2 | 35.26337 |
| 4 | 2 | 0 | 1 | 70.33108 |

### Exercice 149 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 1 | 2 | 40.96072 |
| 2 | 0 | 2 | 3 | 11.37234 |
| 3 | 2 | 3 | 1 | 14.25894 |
| 4 | 3 | 0 | 0 | 23.93151 |

### Exercice 150 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | 1 | 1 | 70.62752 |
| 2 | 0 | 3 | 3 | 12.10406 |
| 3 | -3 | 0 | 2 | 25.34556 |
| 4 | -2 | 2 | 0 | 41.74950 |

### Exercice 151 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | 3 | 3 | 30.50202 |
| 2 | -2 | 0 | 1 | 70.40054 |
| 3 | -3 | 1 | 2 | 43.74171 |
| 4 | 0 | 2 | 0 | 69.01399 |

### Exercice 152 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 1 | 0 | 66.22102 |
| 2 | 2 | 3 | 3 | 44.86048 |
| 3 | 1 | 0 | 2 | 96.46123 |
| 4 | 0 | 2 | 1 | 88.33846 |

### Exercice 153 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -3 | 3 | 11.40620 |
| 2 | 3 | -2 | 0 | 23.05864 |
| 3 | 0 | 0 | 1 | 76.73372 |
| 4 | 2 | -1 | 2 | 46.56691 |

### Exercice 154 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 1 | 2 | 97.83675 |
| 2 | 1 | 3 | 3 | 65.86091 |
| 3 | 3 | 0 | 0 | 90.10840 |
| 4 | 0 | 2 | 1 | 104.48531 |

### Exercice 155 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 0 | 3 | 45.74627 |
| 2 | 2 | -1 | 2 | 49.35313 |
| 3 | 0 | -2 | 0 | 46.46986 |
| 4 | 3 | -3 | 1 | 12.47338 |

### Exercice 156 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | 2 | 0 | 105.62645 |
| 2 | 0 | 0 | 2 | 106.83778 |
| 3 | -2 | 3 | 3 | 61.21813 |
| 4 | -3 | 1 | 1 | 82.28243 |

### Exercice 157 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 1 | 3 | 64.29374 |
| 2 | 2 | 2 | 0 | 85.57282 |
| 3 | 0 | 0 | 1 | 124.47066 |
| 4 | 1 | 3 | 2 | 74.09921 |

### Exercice 158 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 0 | 1 | 42.06964 |
| 2 | 0 | 3 | 2 | 34.51555 |
| 3 | 1 | 2 | 3 | 37.70255 |
| 4 | 2 | 1 | 0 | 57.05241 |

### Exercice 159 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -2 | 1 | 38.368918 |
| 2 | 0 | -3 | 3 | 9.664731 |
| 3 | 3 | -1 | 2 | 29.360327 |
| 4 | 1 | 0 | 0 | 71.464752 |

### Exercice 160 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -3 | 0 | 77.36836 |
| 2 | 2 | -2 | 1 | 83.06503 |
| 3 | 3 | 0 | 2 | 62.62841 |
| 4 | 0 | -1 | 3 | 79.89918 |

### Exercice 161 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 1 | 2 | 61.85232 |
| 2 | 1 | 2 | 1 | 98.40235 |
| 3 | 0 | 3 | 0 | 83.71541 |
| 4 | 2 | 0 | 3 | 61.20683 |

### Exercice 162 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 1 | 0 | 43.68062 |
| 2 | 1 | 3 | 1 | 36.08133 |
| 3 | 2 | 0 | 3 | 44.29103 |
| 4 | 0 | 2 | 2 | 48.38154 |

### Exercice 163 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 2 | 2 | 49.58340 |
| 2 | 1 | 3 | 0 | 42.43415 |
| 3 | 2 | 0 | 3 | 36.28741 |
| 4 | 3 | 1 | 1 | 45.94842 |

### Exercice 164 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 3 | 1 | 17.512909 |
| 2 | 1 | 0 | 0 | 52.539556 |
| 3 | 3 | 1 | 2 | 13.528534 |
| 4 | 2 | 2 | 3 | 8.055477 |

### Exercice 165 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -2 | 0 | 47.19217 |
| 2 | 1 | 0 | 2 | 41.20612 |
| 3 | 2 | -3 | 1 | 15.92013 |
| 4 | 3 | -1 | 3 | 0.08334 |

### Exercice 166 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 2 | 0 | 79.56876 |
| 2 | 2 | 1 | 1 | 70.34929 |
| 3 | 3 | 3 | 3 | 18.19481 |
| 4 | 0 | 0 | 2 | 72.86597 |

### Exercice 167 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 2 | 2 | 40.66152 |
| 2 | 0 | 1 | 0 | 72.21945 |
| 3 | 1 | 3 | 1 | 38.91064 |
| 4 | 3 | 0 | 3 | 20.55600 |

### Exercice 168 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 1 | 0 | 27.22541 |
| 2 | 0 | 0 | 3 | 28.27352 |
| 3 | 2 | 3 | 1 | 17.35583 |
| 4 | 1 | 2 | 2 | 35.06618 |

### Exercice 169 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 3 | 3 | 29.41342 |
| 2 | 0 | 2 | 0 | 69.65034 |
| 3 | 3 | 0 | 2 | 51.73402 |
| 4 | 1 | 1 | 1 | 92.69639 |

### Exercice 170 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 0 | 0 | 46.655017 |
| 2 | 0 | -1 | 2 | 60.492894 |
| 3 | 3 | -2 | 3 | 7.898218 |
| 4 | 1 | -3 | 1 | 38.381760 |

### Exercice 171 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -2 | 2 | 34.09857 |
| 2 | 2 | -3 | 1 | 19.53476 |
| 3 | 1 | 0 | 0 | 74.23285 |
| 4 | 3 | -1 | 3 | 15.69436 |

### Exercice 172 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -3 | 2 | 1 | 42.22836 |
| 2 | -2 | 3 | 0 | 41.56156 |
| 3 | 0 | 0 | 3 | 48.08577 |
| 4 | -1 | 1 | 2 | 69.68801 |

### Exercice 173 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 1 | 2 | 30.44091 |
| 2 | 1 | 3 | 0 | 30.13583 |
| 3 | 0 | 0 | 3 | 35.55734 |
| 4 | 2 | 2 | 1 | 43.29439 |

### Exercice 174 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 2 | 0 | 42.045887 |
| 2 | -1 | 3 | 3 | 2.397693 |
| 3 | -3 | 0 | 2 | 8.795495 |
| 4 | -2 | 1 | 1 | 37.202965 |

### Exercice 175 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | -2 | 0 | 7.481441 |
| 2 | 1 | -1 | -2 | 28.993388 |
| 3 | 2 | -3 | -1 | 10.198822 |
| 4 | 0 | 0 | -3 | 7.107184 |

### Exercice 176 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 2 | 2 | 92.42085 |
| 2 | 2 | 1 | 3 | 79.79261 |
| 3 | 0 | 0 | 0 | 117.88632 |
| 4 | 3 | 3 | 1 | 63.83457 |

### Exercice 177 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 2 | 0 | 95.84023 |
| 2 | 3 | 3 | 1 | 66.38203 |
| 3 | 0 | 1 | 3 | 83.19856 |
| 4 | 1 | 0 | 2 | 105.23167 |

### Exercice 178 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 0 | -3 | 38.86104 |
| 2 | 2 | -1 | 0 | 66.17466 |
| 3 | 0 | -3 | -1 | 55.43363 |
| 4 | 3 | -2 | -2 | 30.34039 |

### Exercice 179 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -1 | 3 | 54.83291 |
| 2 | 3 | 0 | 1 | 67.69057 |
| 3 | 0 | -3 | 2 | 43.89299 |
| 4 | 1 | -2 | 0 | 71.70503 |

### Exercice 180 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -3 | 0 | 0 | 17.91013 |
| 2 | -1 | 3 | 1 | 18.86360 |
| 3 | 0 | 2 | 3 | 10.85936 |
| 4 | -2 | 1 | 2 | 28.37795 |

### Exercice 181 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -3 | 2 | 23.08155 |
| 2 | 3 | -1 | 1 | 19.31456 |
| 3 | 2 | 0 | 0 | 36.01673 |
| 4 | 1 | -2 | 3 | 20.19483 |

### Exercice 182 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -3 | 2 | 31.871264 |
| 2 | 3 | -2 | 3 | 6.049646 |
| 3 | 2 | 0 | 0 | 44.806445 |
| 4 | 1 | -1 | 1 | 68.953373 |

### Exercice 183 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -3 | 3 | 68.02291 |
| 2 | 0 | 0 | 1 | 121.78097 |
| 3 | 2 | -1 | 2 | 91.48361 |
| 4 | 3 | -2 | 0 | 72.81678 |

### Exercice 184 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 3 | 3 | 39.35326 |
| 2 | 0 | 0 | 2 | 98.80343 |
| 3 | 1 | 2 | 1 | 91.09212 |
| 4 | 2 | 1 | 0 | 95.85900 |

### Exercice 185 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 3 | 2 | 31.59728 |
| 2 | 1 | 2 | 3 | 36.62972 |
| 3 | 2 | 1 | 1 | 66.88444 |
| 4 | 3 | 0 | 0 | 49.56328 |

### Exercice 186 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -3 | -2 | -2 | 3.045634 |
| 2 | -1 | -3 | -3 | 1.186069 |
| 3 | -2 | 0 | -1 | 31.699607 |
| 4 | 0 | -1 | 0 | 61.715494 |

### Exercice 187 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -2 | -2 | 63.87038 |
| 2 | 2 | -1 | 0 | 80.55855 |
| 3 | 1 | -3 | -3 | 35.72872 |
| 4 | 3 | 0 | -1 | 58.10701 |

### Exercice 188 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 0 | 1 | 62.80685 |
| 2 | 0 | 3 | 3 | 15.52386 |
| 3 | 1 | 1 | 0 | 76.38471 |
| 4 | 3 | 2 | 2 | 26.68599 |

### Exercice 189 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 2 | 3 | 61.95355 |
| 2 | 2 | 1 | 0 | 87.24420 |
| 3 | 0 | 0 | 1 | 111.04503 |
| 4 | 3 | 3 | 2 | 41.20132 |

### Exercice 190 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -2 | 0 | 90.83433 |
| 2 | 1 | -1 | 3 | 86.26467 |
| 3 | 0 | -3 | 2 | 69.80275 |
| 4 | 3 | 0 | 1 | 93.60033 |

### Exercice 191 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -2 | 3 | 33.13107 |
| 2 | 2 | -1 | 1 | 53.01687 |
| 3 | 0 | -3 | 2 | 41.09481 |
| 4 | 3 | 0 | 0 | 30.48098 |

### Exercice 192 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -1 | 2 | 52.735879 |
| 2 | 1 | -2 | 0 | 53.209823 |
| 3 | 3 | -3 | 3 | 3.389978 |
| 4 | 0 | 0 | 1 | 77.933477 |

### Exercice 193 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -1 | 0 | 75.68199 |
| 2 | 1 | 0 | -3 | 19.70614 |
| 3 | 3 | -2 | -2 | 11.18549 |
| 4 | 2 | -3 | -1 | 24.28488 |

### Exercice 194 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | -2 | 2 | 32.22209 |
| 2 | 2 | -3 | 0 | 35.63478 |
| 3 | 0 | -1 | 1 | 70.06393 |
| 4 | 1 | 0 | 3 | 44.78415 |

### Exercice 195 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -2 | 1 | 72.30000 |
| 2 | 1 | -1 | 2 | 79.26519 |
| 3 | 2 | -3 | 0 | 54.06578 |
| 4 | 3 | 0 | 3 | 48.67290 |

### Exercice 196 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 3 | 0 | 20.32753 |
| 2 | 0 | 1 | 3 | 27.69395 |
| 3 | 2 | 2 | 1 | 34.53830 |
| 4 | 3 | 0 | 2 | 26.48541 |

### Exercice 197 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 3 | 3 | 12.91558 |
| 2 | 0 | 0 | 1 | 83.30771 |
| 3 | 2 | 2 | 0 | 58.96422 |
| 4 | 1 | 1 | 2 | 68.24536 |

### Exercice 198 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 0 | 3 | 74.53480 |
| 2 | 0 | -1 | 2 | 85.89189 |
| 3 | 2 | -3 | 0 | 65.38543 |
| 4 | 3 | -2 | 1 | 70.26624 |

### Exercice 199 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 3 | 3 | 21.94027 |
| 2 | 2 | 2 | 1 | 64.98703 |
| 3 | 0 | 1 | 0 | 86.14772 |
| 4 | 1 | 0 | 2 | 86.36334 |

### Exercice 200 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -3 | 3 | 0 | 68.71356 |
| 2 | -1 | 1 | 1 | 119.09790 |
| 3 | -2 | 0 | 2 | 85.37127 |
| 4 | 0 | 2 | 3 | 79.00923 |

### Exercice 201 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 0 | 0 | 82.19896 |
| 2 | 2 | 3 | 2 | 25.91667 |
| 3 | 0 | 2 | 1 | 55.26638 |
| 4 | 3 | 1 | 3 | 26.37356 |

### Exercice 202 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 2 | 3 | 26.82194 |
| 2 | 3 | 1 | 2 | 32.29500 |
| 3 | 1 | 0 | 0 | 71.30602 |
| 4 | 0 | 3 | 1 | 36.27937 |

### Exercice 203 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | 2 | 0 | 130.28061 |
| 2 | 0 | 3 | 1 | 111.53897 |
| 3 | -2 | 0 | 2 | 101.63099 |
| 4 | -3 | 1 | 3 | 75.20417 |

### Exercice 204 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 1 | 3 | 36.19572 |
| 2 | 2 | 0 | 2 | 43.34920 |
| 3 | 3 | 2 | 0 | 18.30621 |
| 4 | 1 | 3 | 1 | 27.56836 |

### Exercice 205 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 1 | 0 | 111.04089 |
| 2 | 0 | 3 | 3 | 57.33273 |
| 3 | 3 | 0 | 2 | 79.84662 |
| 4 | 2 | 2 | 1 | 87.12064 |

### Exercice 206 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 1 | 2 | 51.40734 |
| 2 | 2 | 0 | 0 | 58.55564 |
| 3 | 3 | 3 | 1 | 15.61682 |
| 4 | 1 | 2 | 3 | 26.04768 |

### Exercice 207 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -2 | 1 | 64.14638 |
| 2 | 3 | 0 | 2 | 51.79436 |
| 3 | 1 | -3 | 0 | 42.56848 |
| 4 | 2 | -1 | 3 | 49.24141 |

### Exercice 208 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 1 | 0 | 64.784308 |
| 2 | 2 | 0 | 3 | 21.244173 |
| 3 | 0 | 2 | 2 | 32.994523 |
| 4 | 3 | 3 | 1 | 8.272289 |

### Exercice 209 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 2 | 1 | 68.60596 |
| 2 | 3 | 3 | 0 | 33.43780 |
| 3 | 2 | 1 | 2 | 63.43148 |
| 4 | 1 | 0 | 3 | 52.39816 |

### Exercice 210 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -2 | 1 | 98.47581 |
| 2 | 3 | 0 | 3 | 45.10603 |
| 3 | 2 | -3 | 0 | 70.87943 |
| 4 | 0 | -1 | 2 | 97.08741 |

### Exercice 211 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 2 | 2 | 79.67778 |
| 2 | 3 | 3 | 1 | 51.51523 |
| 3 | 2 | 0 | 0 | 94.15408 |
| 4 | 1 | 1 | 3 | 74.67101 |

### Exercice 212 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 0 | -1 | 37.07207 |
| 2 | 2 | -2 | 0 | 48.58106 |
| 3 | 1 | -3 | -3 | 14.69378 |
| 4 | 0 | -1 | -2 | 52.08272 |

### Exercice 213 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 0 | 1 | 95.74743 |
| 2 | 3 | -1 | 0 | 70.07694 |
| 3 | 0 | -3 | 2 | 51.28132 |
| 4 | 1 | -2 | 3 | 56.88257 |

### Exercice 214 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 1 | 0 | 128.22489 |
| 2 | -3 | 2 | -1 | 91.66192 |
| 3 | -1 | 3 | -3 | 75.40969 |
| 4 | -2 | 0 | -2 | 109.73276 |

### Exercice 215 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 2 | 2 | 91.80283 |
| 2 | 3 | 3 | 0 | 64.77723 |
| 3 | 0 | 0 | 3 | 81.76160 |
| 4 | 2 | 1 | 1 | 106.94169 |

### Exercice 216 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 3 | 0 | 64.29524 |
| 2 | 0 | 2 | 1 | 97.66790 |
| 3 | 3 | 1 | 2 | 56.25565 |
| 4 | 1 | 0 | 3 | 64.85892 |

### Exercice 217 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 1 | 0 | 60.49327 |
| 2 | 3 | 2 | 1 | 25.44514 |
| 3 | 2 | 3 | 2 | 16.04346 |
| 4 | 1 | 0 | 3 | 37.97582 |

### Exercice 218 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | 2 | -3 | 9.814176 |
| 2 | 0 | 1 | -2 | 35.537132 |
| 3 | -2 | 3 | -1 | 9.911768 |
| 4 | -3 | 0 | 0 | 21.718124 |

### Exercice 219 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -1 | 0 | 131.47307 |
| 2 | 0 | 0 | -1 | 141.71454 |
| 3 | 1 | -2 | -2 | 121.60619 |
| 4 | 3 | -3 | -3 | 74.68169 |

### Exercice 220 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 3 | 2 | 50.42905 |
| 2 | 1 | 0 | 0 | 112.94596 |
| 3 | 2 | 2 | 1 | 85.86966 |
| 4 | 0 | 1 | 3 | 73.17557 |

### Exercice 221 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 1 | 3 | 29.95546 |
| 2 | 1 | 2 | 1 | 42.54827 |
| 3 | 3 | 0 | 0 | 31.23342 |
| 4 | 2 | 3 | 2 | 10.85457 |

### Exercice 222 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -2 | -2 | 78.86570 |
| 2 | 0 | -3 | -3 | 51.54133 |
| 3 | 3 | 0 | 0 | 64.31979 |
| 4 | 2 | -1 | -1 | 85.51560 |

### Exercice 223 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 2 | 3 | 57.23168 |
| 2 | 2 | 1 | 0 | 76.64035 |
| 3 | 3 | 3 | 2 | 34.59566 |
| 4 | 1 | 0 | 1 | 88.68207 |

### Exercice 224 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 2 | -3 | 32.71017 |
| 2 | -1 | 3 | -1 | 40.32735 |
| 3 | -3 | 0 | 0 | 46.24534 |
| 4 | -2 | 1 | -2 | 53.86929 |

### Exercice 225 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 0 | 0 | 40.22216 |
| 2 | 1 | 1 | 2 | 56.74731 |
| 3 | 2 | 2 | 3 | 21.99420 |
| 4 | 0 | 3 | 1 | 27.99732 |

### Exercice 226 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 3 | 0 | 5.045599 |
| 2 | 2 | 2 | 2 | 24.674806 |
| 3 | 0 | 1 | 1 | 68.267003 |
| 4 | 1 | 0 | 3 | 21.016102 |

### Exercice 227 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 1 | 3 | 61.69559 |
| 2 | 2 | 3 | 0 | 44.53982 |
| 3 | 0 | 2 | 1 | 71.12265 |
| 4 | 3 | 0 | 2 | 57.21519 |

### Exercice 228 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 2 | 0 | 50.75792 |
| 2 | 3 | 1 | 2 | 41.58937 |
| 3 | 0 | 3 | 1 | 37.67233 |
| 4 | 1 | 0 | 3 | 50.34293 |

### Exercice 229 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -1 | 2 | 75.76740 |
| 2 | 3 | 0 | 0 | 78.18973 |
| 3 | 2 | -3 | 3 | 34.02603 |
| 4 | 1 | -2 | 1 | 77.94602 |

### Exercice 230 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | 3 | -2 | 43.13518 |
| 2 | -3 | 0 | -1 | 56.68424 |
| 3 | -2 | 1 | -3 | 46.69162 |
| 4 | 0 | 2 | 0 | 67.43199 |

### Exercice 231 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 1 | 1 | 51.27751 |
| 2 | 2 | 0 | 0 | 70.91527 |
| 3 | 1 | 2 | 3 | 40.12940 |
| 4 | 0 | 3 | 2 | 38.63692 |

### Exercice 232 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -3 | -3 | 65.65939 |
| 2 | 0 | -1 | 0 | 122.69152 |
| 3 | 2 | 0 | -1 | 107.10614 |
| 4 | 3 | -2 | -2 | 74.07279 |

### Exercice 233 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 3 | 0 | 12.49213 |
| 2 | 2 | 1 | 2 | 26.73772 |
| 3 | 1 | 0 | 3 | 15.70440 |
| 4 | 3 | 2 | 1 | 10.75735 |

### Exercice 234 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -2 | 0 | 0 | 86.68610 |
| 2 | -1 | -3 | -3 | 55.69482 |
| 3 | -3 | -2 | -1 | 64.58757 |
| 4 | 0 | -1 | -2 | 94.64939 |

### Exercice 235 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 0 | 2 | 97.47135 |
| 2 | 1 | 2 | 1 | 106.71977 |
| 3 | 3 | 1 | 0 | 89.75465 |
| 4 | 0 | 3 | 3 | 64.29118 |

### Exercice 236 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 0 | 1 | 74.28672 |
| 2 | 2 | 3 | 0 | 23.92805 |
| 3 | 1 | 2 | 2 | 42.96938 |
| 4 | 3 | 1 | 3 | 20.07879 |

### Exercice 237 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 1 | 2 | 41.88394 |
| 2 | 1 | 3 | 1 | 27.75431 |
| 3 | 0 | 0 | 3 | 37.84230 |
| 4 | 3 | 2 | 0 | 18.49216 |

### Exercice 238 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -2 | 0 | 89.16056 |
| 2 | -2 | -3 | -2 | 49.27730 |
| 3 | -3 | 0 | -1 | 55.05275 |
| 4 | -1 | -1 | -3 | 60.14368 |

### Exercice 239 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 2 | 1 | 79.23782 |
| 2 | 3 | 1 | 2 | 57.88529 |
| 3 | 2 | 3 | 0 | 51.87173 |
| 4 | 0 | 0 | 3 | 63.00172 |

### Exercice 240 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -2 | 0 | 93.13260 |
| 2 | 2 | -3 | 3 | 41.89654 |
| 3 | 3 | 0 | 1 | 56.98429 |
| 4 | 0 | -1 | 2 | 89.70973 |

### Exercice 241 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -2 | 3 | -3 | 78.74774 |
| 2 | -1 | 0 | -2 | 126.95539 |
| 3 | -3 | 1 | 0 | 107.94742 |
| 4 | 0 | 2 | -1 | 120.76422 |

### Exercice 242 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | 0 | 2 | 84.48339 |
| 2 | 0 | 2 | 1 | 84.24217 |
| 3 | -2 | 1 | 3 | 57.90518 |
| 4 | -3 | 3 | 0 | 44.48383 |

### Exercice 243 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 0 | 1 | 123.62432 |
| 2 | 3 | -3 | 2 | 65.93034 |
| 3 | 2 | -1 | 3 | 84.58749 |
| 4 | 0 | -2 | 0 | 116.97540 |

### Exercice 244 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 0 | 3 | 43.14542 |
| 2 | 2 | 1 | 0 | 84.61902 |
| 3 | 0 | 2 | 1 | 79.29954 |
| 4 | 1 | 3 | 2 | 53.79223 |

### Exercice 245 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -2 | 2 | 84.23360 |
| 2 | 2 | -3 | 1 | 61.91540 |
| 3 | 1 | -1 | 3 | 70.86753 |
| 4 | 3 | 0 | 0 | 60.96853 |

### Exercice 246 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | 1 | -1 | 119.49345 |
| 2 | -3 | 3 | 0 | 61.97107 |
| 3 | -2 | 0 | -2 | 94.58472 |
| 4 | 0 | 2 | -3 | 72.35509 |

### Exercice 247 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -1 | 0 | 76.79598 |
| 2 | 3 | 0 | 3 | 47.17910 |
| 3 | 1 | -2 | 2 | 66.21118 |
| 4 | 0 | -3 | 1 | 51.37733 |

### Exercice 248 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | -3 | -3 | 54.68147 |
| 2 | 1 | -2 | -2 | 99.05762 |
| 3 | 0 | 0 | -1 | 121.06520 |
| 4 | 2 | -1 | 0 | 114.07359 |

### Exercice 249 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | 3 | 1 | 51.13607 |
| 2 | -3 | 1 | 3 | 26.99723 |
| 3 | 0 | 2 | 2 | 62.16520 |
| 4 | -2 | 0 | 0 | 62.22007 |

### Exercice 250 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 3 | 2 | 30.02632 |
| 2 | 1 | 0 | 1 | 85.74887 |
| 3 | 0 | 1 | 0 | 75.72448 |
| 4 | 3 | 2 | 3 | 20.52287 |

### Exercice 251 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 0 | 1 | 78.97483 |
| 2 | 1 | 2 | 3 | 61.64709 |
| 3 | 0 | 1 | 2 | 90.16229 |
| 4 | 3 | 3 | 0 | 47.60931 |

### Exercice 252 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 0 | 2 | 85.45699 |
| 2 | 0 | 2 | 1 | 82.81271 |
| 3 | 2 | 3 | 0 | 58.72575 |
| 4 | 3 | 1 | 3 | 46.66235 |

### Exercice 253 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 0 | 0 | 125.33080 |
| 2 | 3 | -2 | -3 | 77.78510 |
| 3 | 1 | -1 | -1 | 140.99635 |
| 4 | 0 | -3 | -2 | 95.10651 |

### Exercice 254 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 0 | 2 | 68.38421 |
| 2 | 1 | 3 | 1 | 44.19066 |
| 3 | 3 | 1 | 3 | 29.43198 |
| 4 | 2 | 2 | 0 | 54.09329 |

### Exercice 255 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -2 | 2 | 96.05384 |
| 2 | 3 | -3 | 1 | 68.45344 |
| 3 | 2 | 0 | 3 | 90.19843 |
| 4 | 0 | -1 | 0 | 117.92934 |

### Exercice 256 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -1 | 3 | 45.04236 |
| 2 | 2 | -3 | 2 | 31.18974 |
| 3 | 3 | -2 | 1 | 32.72148 |
| 4 | 1 | 0 | 0 | 71.63855 |

### Exercice 257 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -3 | 0 | 21.02103 |
| 2 | 3 | -1 | 2 | 26.15626 |
| 3 | 0 | -2 | 1 | 39.64595 |
| 4 | 2 | 0 | 3 | 28.17575 |

### Exercice 258 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 1 | 2 | 57.07147 |
| 2 | -1 | 3 | 0 | 37.32030 |
| 3 | -3 | 2 | 1 | 30.79035 |
| 4 | -2 | 0 | 3 | 30.17325 |

### Exercice 259 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -2 | 3 | 0 | 23.19379 |
| 2 | -1 | 2 | -1 | 50.11429 |
| 3 | -3 | 0 | -2 | 28.01588 |
| 4 | 0 | 1 | -3 | 30.19564 |

### Exercice 260 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 0 | -3 | 81.61004 |
| 2 | 0 | -2 | 0 | 121.50506 |
| 3 | 2 | -1 | -1 | 105.70668 |
| 4 | 3 | -3 | -2 | 63.87153 |

### Exercice 261 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 0 | 2 | 51.644750 |
| 2 | 0 | 2 | 3 | 14.016356 |
| 3 | 2 | 3 | 1 | 9.548976 |
| 4 | 3 | 1 | 0 | 22.861371 |

### Exercice 262 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -2 | 3 | 33.77767 |
| 2 | 0 | -1 | 1 | 91.80522 |
| 3 | 1 | 0 | 2 | 65.48663 |
| 4 | 3 | -3 | 0 | 24.37681 |

### Exercice 263 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 1 | 2 | 41.41981 |
| 2 | 2 | 2 | 1 | 51.61205 |
| 3 | 1 | 3 | 0 | 37.36848 |
| 4 | 0 | 0 | 3 | 50.68552 |

### Exercice 264 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 3 | 1 | 36.85825 |
| 2 | 3 | 0 | 0 | 40.28081 |
| 3 | 0 | 1 | 3 | 35.26890 |
| 4 | 2 | 2 | 2 | 38.60913 |

### Exercice 265 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | -1 | 2 | 33.98250 |
| 2 | 1 | -2 | 3 | 42.21505 |
| 3 | 2 | 0 | 0 | 59.24368 |
| 4 | 0 | -3 | 1 | 60.33433 |

### Exercice 266 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 0 | 2 | 82.18636 |
| 2 | 2 | 3 | 3 | 38.45373 |
| 3 | 3 | 1 | 0 | 68.44843 |
| 4 | 1 | 2 | 1 | 83.91558 |

### Exercice 267 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 3 | 0 | 29.29507 |
| 2 | 3 | 1 | 2 | 35.68484 |
| 3 | 0 | 0 | 1 | 84.56674 |
| 4 | 1 | 2 | 3 | 37.77365 |

### Exercice 268 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 2 | 0 | 56.38929 |
| 2 | 1 | 1 | 2 | 81.60205 |
| 3 | 2 | 0 | 3 | 54.96177 |
| 4 | 0 | 3 | 1 | 59.48952 |

### Exercice 269 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | 2 | 3 | 69.08131 |
| 2 | 0 | 3 | 1 | 77.81661 |
| 3 | -3 | 0 | 2 | 62.90733 |
| 4 | -2 | 1 | 0 | 89.54665 |

### Exercice 270 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -1 | 3 | 30.22005 |
| 2 | 0 | -3 | 1 | 44.22283 |
| 3 | 3 | 0 | 0 | 23.45346 |
| 4 | 2 | -2 | 2 | 31.02025 |

### Exercice 271 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -3 | 1 | 41.61452 |
| 2 | 2 | -1 | 3 | 46.34497 |
| 3 | 3 | 0 | 2 | 48.89793 |
| 4 | 0 | -2 | 0 | 58.49219 |

### Exercice 272 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | 0 | 2 | 76.45902 |
| 2 | -3 | 1 | 1 | 57.38903 |
| 3 | -2 | 3 | 3 | 31.32639 |
| 4 | 0 | 2 | 0 | 75.25535 |

### Exercice 273 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 1 | 3 | 39.65341 |
| 2 | 3 | 2 | 2 | 22.58496 |
| 3 | 0 | 0 | 1 | 76.33719 |
| 4 | 2 | 3 | 0 | 22.49764 |

### Exercice 274 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 0 | 2 | 57.87885 |
| 2 | 0 | -3 | 0 | 18.17078 |
| 3 | 3 | -1 | 1 | 30.21248 |
| 4 | 2 | -2 | 3 | 15.32458 |

### Exercice 275 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 3 | 2 | 82.63372 |
| 2 | 0 | 2 | 0 | 120.77516 |
| 3 | 2 | 1 | 1 | 131.45357 |
| 4 | 1 | 0 | 3 | 117.16275 |

### Exercice 276 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | 3 | 0 | 46.34474 |
| 2 | 0 | 0 | -3 | 48.32056 |
| 3 | -3 | 2 | -2 | 36.59486 |
| 4 | -2 | 1 | -1 | 71.83956 |

### Exercice 277 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | -2 | -1 | 41.47950 |
| 2 | 2 | 0 | 0 | 63.92315 |
| 3 | 1 | -3 | -3 | 30.42992 |
| 4 | 0 | -1 | -2 | 67.32881 |

### Exercice 278 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 0 | 3 | 45.66707 |
| 2 | 0 | 2 | 0 | 54.28829 |
| 3 | 1 | 3 | 2 | 32.36922 |
| 4 | 3 | 1 | 1 | 47.12957 |

### Exercice 279 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | -3 | 0 | 1.108871 |
| 2 | 1 | -1 | 1 | 61.036138 |
| 3 | 0 | -2 | 3 | 19.148195 |
| 4 | 2 | 0 | 2 | 44.740138 |

### Exercice 280 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | 1 | 0 | 134.95916 |
| 2 | -3 | 3 | 2 | 69.63699 |
| 3 | 0 | 0 | 1 | 125.69804 |
| 4 | -2 | 2 | 3 | 78.67373 |

### Exercice 281 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 0 | 3 | 50.39863 |
| 2 | 2 | -2 | 1 | 58.67497 |
| 3 | 3 | -1 | 0 | 59.76399 |
| 4 | 0 | -3 | 2 | 32.74817 |

### Exercice 282 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -3 | 3 | -3 | 49.38915 |
| 2 | -2 | 1 | -1 | 108.00415 |
| 3 | 0 | 0 | -2 | 103.96007 |
| 4 | -1 | 2 | 0 | 102.86911 |

### Exercice 283 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 0 | 1 | 78.492899 |
| 2 | 0 | -2 | 3 | 23.043180 |
| 3 | 2 | -1 | 0 | 48.194679 |
| 4 | 3 | -3 | 2 | 2.621177 |

### Exercice 284 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | -2 | -1 | 63.98320 |
| 2 | -2 | -1 | 0 | 57.39763 |
| 3 | 0 | -3 | -2 | 38.25987 |
| 4 | -3 | 0 | -3 | 14.10121 |

### Exercice 285 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -3 | 2 | 1 | 55.86756 |
| 2 | 0 | 1 | 0 | 102.65068 |
| 3 | -1 | 3 | 2 | 60.76764 |
| 4 | -2 | 0 | 3 | 56.51077 |

### Exercice 286 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 0 | 1 | 101.13227 |
| 2 | 0 | 3 | 2 | 64.28259 |
| 3 | 3 | 1 | 0 | 78.05717 |
| 4 | 1 | 2 | 3 | 67.94673 |

### Exercice 287 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -2 | 1 | 3 | 27.06817 |
| 2 | -1 | 2 | 0 | 68.74190 |
| 3 | -3 | 3 | 1 | 21.80435 |
| 4 | 0 | 0 | 2 | 54.01911 |

### Exercice 288 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 0 | 3 | 66.76053 |
| 2 | 1 | 3 | 1 | 80.66628 |
| 3 | 2 | 2 | 0 | 90.56891 |
| 4 | 0 | 1 | 2 | 103.05446 |

### Exercice 289 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 2 | 2 | 71.65846 |
| 2 | 3 | 1 | 3 | 48.84368 |
| 3 | 2 | 0 | 1 | 91.30781 |
| 4 | 1 | 3 | 0 | 61.64207 |

### Exercice 290 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -1 | 1 | 134.86805 |
| 2 | 1 | -2 | 0 | 125.34746 |
| 3 | 2 | 0 | 2 | 124.63020 |
| 4 | 3 | -3 | 3 | 71.59974 |

### Exercice 291 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -2 | 3 | 54.58459 |
| 2 | 0 | -1 | 1 | 93.19295 |
| 3 | 2 | 0 | 2 | 79.28469 |
| 4 | 3 | -3 | 0 | 35.65342 |

### Exercice 292 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | -2 | 0 | 26.105302 |
| 2 | 1 | 0 | -1 | 64.245145 |
| 3 | 0 | -3 | -3 | 7.833242 |
| 4 | 2 | -1 | -2 | 39.075317 |

### Exercice 293 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 0 | 1 | 123.23011 |
| 2 | 0 | 2 | 0 | 107.03087 |
| 3 | 3 | 3 | 2 | 69.02944 |
| 4 | 1 | 1 | 3 | 98.38190 |

### Exercice 294 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -3 | -2 | 47.41587 |
| 2 | -1 | -1 | 0 | 86.07262 |
| 3 | -2 | -2 | -3 | 34.57973 |
| 4 | -3 | 0 | -1 | 42.89550 |

### Exercice 295 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 0 | 1 | 51.57273 |
| 2 | 1 | -2 | 2 | 48.03531 |
| 3 | 0 | -3 | 0 | 32.97631 |
| 4 | 2 | -1 | 3 | 38.71507 |

### Exercice 296 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -3 | -3 | -2 | 17.99156 |
| 2 | -1 | -1 | 0 | 80.45148 |
| 3 | -2 | -2 | -3 | 28.95860 |
| 4 | 0 | 0 | -1 | 76.44054 |

### Exercice 297 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 0 | -3 | 57.64606 |
| 2 | 3 | -1 | 0 | 62.32704 |
| 3 | 1 | -2 | -2 | 73.60571 |
| 4 | 2 | -3 | -1 | 60.73770 |

### Exercice 298 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -2 | 1 | 27.058168 |
| 2 | 3 | -1 | 2 | 8.169414 |
| 3 | 1 | -3 | 0 | 21.361498 |
| 4 | 0 | 0 | 3 | 21.878779 |

### Exercice 299 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 0 | -3 | 22.70140 |
| 2 | 3 | -1 | 0 | 29.40741 |
| 3 | 0 | -3 | -1 | 26.27640 |
| 4 | 2 | -2 | -2 | 27.13757 |

### Exercice 300 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 2 | 3 | 51.81740 |
| 2 | 1 | 3 | 2 | 53.59505 |
| 3 | 3 | 0 | 0 | 70.04536 |
| 4 | 0 | 1 | 1 | 95.91653 |

### Exercice 301 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 3 | 0 | 45.09163 |
| 2 | -3 | 1 | 1 | 28.26562 |
| 3 | -1 | 2 | 3 | 24.27818 |
| 4 | -2 | 0 | 2 | 32.52742 |

### Exercice 302 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -1 | 1 | 60.87990 |
| 2 | 3 | 0 | 3 | 18.10070 |
| 3 | 1 | -2 | 2 | 58.53985 |
| 4 | 0 | -3 | 0 | 60.58016 |

### Exercice 303 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 3 | 1 | 108.39903 |
| 2 | 0 | 1 | 2 | 125.09330 |
| 3 | 2 | 2 | 0 | 111.75422 |
| 4 | 3 | 0 | 3 | 75.45545 |

### Exercice 304 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -3 | 3 | 36.93541 |
| 2 | 2 | -2 | 1 | 64.92186 |
| 3 | 0 | 0 | 2 | 87.20541 |
| 4 | 3 | -1 | 0 | 59.31444 |

### Exercice 305 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | 2 | 2 | 55.00434 |
| 2 | -3 | 1 | 0 | 42.65366 |
| 3 | -2 | 3 | 3 | 19.32718 |
| 4 | 0 | 0 | 1 | 75.38929 |

### Exercice 306 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -2 | 3 | 2 | 6.672152 |
| 2 | -3 | 1 | 0 | 16.428552 |
| 3 | 0 | 0 | 1 | 49.164184 |
| 4 | -1 | 2 | 3 | 10.425241 |

### Exercice 307 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -3 | 1 | 27.59274 |
| 2 | 2 | -2 | 2 | 35.07796 |
| 3 | 1 | -1 | 3 | 40.29677 |
| 4 | 3 | 0 | 0 | 39.40204 |

### Exercice 308 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -1 | -3 | 35.46560 |
| 2 | 1 | 0 | 0 | 76.08191 |
| 3 | 2 | -2 | -1 | 50.71669 |
| 4 | 3 | -3 | -2 | 14.79258 |

### Exercice 309 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 2 | 0 | 30.50865 |
| 2 | 1 | 1 | 1 | 74.47965 |
| 3 | 0 | 3 | 3 | 14.27853 |
| 4 | 2 | 0 | 2 | 51.51566 |

### Exercice 310 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -2 | -2 | 19.568882 |
| 2 | 2 | -3 | -1 | 6.700873 |
| 3 | 3 | -1 | 0 | 8.290210 |
| 4 | 0 | 0 | -3 | 3.609236 |

### Exercice 311 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | 3 | 3 | 69.00183 |
| 2 | 0 | 1 | 0 | 123.74566 |
| 3 | -2 | 0 | 1 | 101.60030 |
| 4 | -3 | 2 | 2 | 71.16515 |

### Exercice 312 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 1 | 3 | 35.08144 |
| 2 | 1 | 0 | 2 | 63.65302 |
| 3 | 0 | 3 | 1 | 34.78054 |
| 4 | 3 | 2 | 0 | 32.78593 |

### Exercice 313 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 0 | 2 | 73.43823 |
| 2 | 0 | 3 | 1 | 56.31272 |
| 3 | 3 | 1 | 0 | 61.11962 |
| 4 | 1 | 2 | 3 | 53.33361 |

### Exercice 314 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 2 | 1 | 98.94817 |
| 2 | 0 | 3 | 3 | 58.25290 |
| 3 | 3 | 1 | 0 | 83.88118 |
| 4 | 2 | 0 | 2 | 95.49003 |

### Exercice 315 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 2 | 0 | 90.42440 |
| 2 | 2 | 0 | 1 | 95.20008 |
| 3 | 0 | 1 | 2 | 88.05644 |
| 4 | 3 | 3 | 3 | 35.62245 |

### Exercice 316 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 3 | 2 | 18.973838 |
| 2 | 2 | 0 | 0 | 49.791933 |
| 3 | 0 | 2 | 1 | 44.481150 |
| 4 | 3 | 1 | 3 | 8.330787 |

### Exercice 317 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 3 | 3 | 63.18253 |
| 2 | 1 | 0 | 2 | 109.09125 |
| 3 | 0 | 2 | 1 | 106.44697 |
| 4 | 3 | 1 | 0 | 92.07540 |

### Exercice 318 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -2 | 0 | 23.819181 |
| 2 | 3 | -1 | -2 | 4.511101 |
| 3 | 0 | -3 | -1 | 11.277312 |
| 4 | 1 | 0 | -3 | 7.702312 |

### Exercice 319 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | 3 | 2 | 73.37475 |
| 2 | -3 | 2 | 3 | 51.50481 |
| 3 | -2 | 0 | 1 | 93.11243 |
| 4 | 0 | 1 | 0 | 115.25780 |

### Exercice 320 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 3 | 1 | 65.78329 |
| 2 | 0 | 0 | 2 | 84.52902 |
| 3 | 3 | 1 | 3 | 48.74670 |
| 4 | 2 | 2 | 0 | 77.56414 |

### Exercice 321 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -2 | 2 | 3 | 34.89666 |
| 2 | 0 | 3 | 0 | 47.38029 |
| 3 | -1 | 1 | 2 | 69.03813 |
| 4 | -3 | 0 | 1 | 48.39498 |

### Exercice 322 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 2 | 1 | 49.438337 |
| 2 | 3 | 3 | 0 | 9.447843 |
| 3 | 2 | 1 | 2 | 43.130241 |
| 4 | 0 | 0 | 3 | 33.313455 |

### Exercice 323 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | -3 | 1 | 15.07826 |
| 2 | 1 | -2 | 3 | 32.46792 |
| 3 | 0 | 0 | 0 | 74.99037 |
| 4 | 2 | -1 | 2 | 51.95800 |

### Exercice 324 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 1 | 2 | 70.80189 |
| 2 | 0 | 3 | 3 | 24.72120 |
| 3 | 3 | 2 | 0 | 38.12953 |
| 4 | 2 | 0 | 1 | 76.19143 |

### Exercice 325 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 2 | 1 | 78.62360 |
| 2 | 2 | 1 | 2 | 79.04765 |
| 3 | 3 | 3 | 0 | 41.07581 |
| 4 | 1 | 0 | 3 | 74.83302 |

### Exercice 326 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 3 | 2 | 32.09754 |
| 2 | 0 | 2 | 3 | 35.96965 |
| 3 | 1 | 0 | 0 | 85.23774 |
| 4 | 3 | 1 | 1 | 49.93873 |

### Exercice 327 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -3 | -1 | -3 | 35.70302 |
| 2 | -1 | -2 | -2 | 71.03713 |
| 3 | -2 | -3 | 0 | 55.43335 |
| 4 | 0 | 0 | -1 | 92.58599 |

### Exercice 328 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 3 | 3 | 52.51986 |
| 2 | 2 | 1 | 2 | 88.89392 |
| 3 | 1 | 2 | 1 | 90.09823 |
| 4 | 3 | 0 | 0 | 80.68427 |

### Exercice 329 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -2 | 3 | 1 | 34.35448 |
| 2 | 0 | 2 | 0 | 70.77821 |
| 3 | -3 | 0 | 2 | 21.60189 |
| 4 | -1 | 1 | 3 | 33.18211 |

### Exercice 330 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 2 | 3 | 73.70595 |
| 2 | -2 | 0 | 2 | 83.57478 |
| 3 | -3 | 3 | 0 | 55.12849 |
| 4 | -1 | 1 | 1 | 114.12348 |

### Exercice 331 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 0 | 0 | 104.35454 |
| 2 | 3 | 1 | 2 | 57.26250 |
| 3 | 2 | 3 | 1 | 64.97815 |
| 4 | 1 | 2 | 3 | 63.93304 |

### Exercice 332 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 0 | 0 | 111.12866 |
| 2 | 1 | 3 | 2 | 78.24864 |
| 3 | 0 | 1 | 1 | 119.10927 |
| 4 | 3 | 2 | 3 | 62.54856 |

### Exercice 333 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | -3 | -3 | 4.15478 |
| 2 | 1 | 0 | -1 | 74.10702 |
| 3 | 0 | -2 | 0 | 60.54913 |
| 4 | 2 | -1 | -2 | 48.93720 |

### Exercice 334 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 2 | 0 | 49.74943 |
| 2 | 1 | 3 | 3 | 42.89549 |
| 3 | 2 | 0 | 1 | 82.79890 |
| 4 | 0 | 1 | 2 | 86.72697 |

### Exercice 335 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -3 | -3 | -3 | 21.87045 |
| 2 | -1 | -1 | 0 | 95.08631 |
| 3 | 0 | 0 | -2 | 75.35144 |
| 4 | -2 | -2 | -1 | 67.89244 |

### Exercice 336 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | -3 | -2 | 47.82222 |
| 2 | -3 | 0 | -3 | 25.27332 |
| 3 | 0 | -1 | 0 | 94.22838 |
| 4 | -2 | -2 | -1 | 60.89486 |

### Exercice 337 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 1 | 0 | 72.61504 |
| 2 | 1 | 2 | 3 | 50.84530 |
| 3 | 3 | 0 | 1 | 48.78555 |
| 4 | 0 | 3 | 2 | 56.45035 |

### Exercice 338 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 3 | 1 | 6.679060 |
| 2 | 0 | 1 | 3 | 20.862111 |
| 3 | 3 | 2 | 0 | 8.710498 |
| 4 | 1 | 0 | 2 | 46.430624 |

### Exercice 339 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 2 | 1 | 53.66884 |
| 2 | 1 | 0 | 2 | 77.20698 |
| 3 | 3 | 3 | 3 | 11.06745 |
| 4 | 0 | 1 | 0 | 75.03522 |

### Exercice 340 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 2 | 0 | 79.35756 |
| 2 | 3 | 0 | 1 | 68.31613 |
| 3 | 0 | 1 | 3 | 62.97198 |
| 4 | 2 | 3 | 2 | 48.18269 |

### Exercice 341 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 2 | 0 | 40.509740 |
| 2 | 0 | 0 | 3 | 14.381673 |
| 3 | 2 | 3 | 1 | 11.053429 |
| 4 | 3 | 1 | 2 | 3.337777 |

### Exercice 342 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 2 | 0 | 63.66144 |
| 2 | 3 | 3 | 1 | 25.50296 |
| 3 | 0 | 1 | 3 | 42.07167 |
| 4 | 2 | 0 | 2 | 56.04713 |

### Exercice 343 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -3 | 2 | 54.51873 |
| 2 | 1 | -1 | 0 | 108.73347 |
| 3 | 3 | 0 | 3 | 57.62693 |
| 4 | 2 | -2 | 1 | 80.44552 |

### Exercice 344 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -2 | 1 | 0 | 104.30919 |
| 2 | -3 | 0 | -3 | 65.01026 |
| 3 | 0 | 2 | -2 | 88.11313 |
| 4 | -1 | 3 | -1 | 80.08443 |

### Exercice 345 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 1 | 0 | 77.76385 |
| 2 | 3 | 0 | 1 | 53.00787 |
| 3 | 1 | 2 | 2 | 55.88504 |
| 4 | 2 | 3 | 3 | 21.56148 |

### Exercice 346 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 3 | 2 | 32.50755 |
| 2 | 0 | 0 | 3 | 38.62116 |
| 3 | 3 | 1 | 0 | 43.64330 |
| 4 | 2 | 2 | 1 | 51.32012 |

### Exercice 347 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -3 | 2 | 19.80206 |
| 2 | 0 | 0 | 3 | 25.96237 |
| 3 | 3 | -2 | 1 | 12.78218 |
| 4 | 2 | -1 | 0 | 37.48894 |

### Exercice 348 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 1 | 0 | 34.48405 |
| 2 | 1 | 3 | 1 | 26.88475 |
| 3 | 0 | 2 | 2 | 39.18496 |
| 4 | 2 | 0 | 3 | 35.09445 |

### Exercice 349 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | -1 | 2 | 76.68939 |
| 2 | 1 | 0 | 1 | 121.69345 |
| 3 | 2 | -2 | 0 | 89.44452 |
| 4 | 0 | -3 | 3 | 49.25864 |

### Exercice 350 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 1 | 1 | 52.85533 |
| 2 | 0 | 0 | 2 | 81.39754 |
| 3 | 2 | 2 | 0 | 57.65764 |
| 4 | 1 | 3 | 3 | 35.11611 |

### Exercice 351 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 1 | 2 | 73.11901 |
| 2 | 1 | 3 | 0 | 55.01055 |
| 3 | 3 | 2 | 3 | 31.68721 |
| 4 | 2 | 0 | 1 | 80.26264 |

### Exercice 352 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 0 | 3 | 1.958980 |
| 2 | 2 | 2 | 2 | 13.724347 |
| 3 | 0 | 3 | 1 | 6.014784 |
| 4 | 1 | 1 | 0 | 43.836685 |

### Exercice 353 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 2 | 3 | 17.285162 |
| 2 | 0 | 1 | 0 | 58.269585 |
| 3 | 3 | 3 | 2 | 0.624892 |
| 4 | 2 | 0 | 1 | 48.143581 |

### Exercice 354 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 0 | 2 | 96.12676 |
| 2 | 1 | -2 | 1 | 82.20070 |
| 3 | 3 | -1 | 3 | 53.09667 |
| 4 | 2 | -3 | 0 | 53.57463 |

### Exercice 355 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -1 | 1 | 82.40792 |
| 2 | 1 | -3 | 0 | 39.77448 |
| 3 | 2 | -2 | 2 | 37.95548 |
| 4 | 3 | 0 | 3 | 13.64555 |

### Exercice 356 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -2 | 2 | -1 | 80.67120 |
| 2 | -3 | 0 | -3 | 53.68438 |
| 3 | 0 | 3 | 0 | 66.51685 |
| 4 | -1 | 1 | -2 | 91.42405 |

### Exercice 357 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -3 | 3 | 65.17583 |
| 2 | 3 | -2 | 1 | 91.29154 |
| 3 | 0 | -1 | 0 | 123.94069 |
| 4 | 1 | 0 | 2 | 116.82513 |

### Exercice 358 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 1 | 2 | 77.34298 |
| 2 | 0 | 3 | 0 | 56.47600 |
| 3 | 1 | 0 | 3 | 70.34497 |
| 4 | 3 | 2 | 1 | 57.81428 |

### Exercice 359 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 1 | 0 | 86.07192 |
| 2 | 0 | 0 | 1 | 87.84018 |
| 3 | 3 | 2 | 3 | 27.72928 |
| 4 | 2 | 3 | 2 | 36.75123 |

### Exercice 360 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 0 | 0 | 102.47241 |
| 2 | 1 | 2 | 1 | 115.93162 |
| 3 | 0 | 1 | 2 | 116.87267 |
| 4 | 2 | 3 | 3 | 72.06668 |

### Exercice 361 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 2 | 1 | 117.64642 |
| 2 | 2 | 0 | 0 | 125.93939 |
| 3 | 0 | 1 | 2 | 122.96273 |
| 4 | 3 | 3 | 3 | 66.19905 |

### Exercice 362 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -2 | 2 | 39.46748 |
| 2 | 1 | -1 | 3 | 41.26747 |
| 3 | 3 | 0 | 0 | 31.36847 |
| 4 | 0 | -3 | 1 | 45.21920 |

### Exercice 363 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 2 | -1 | 101.70583 |
| 2 | -3 | 3 | 0 | 65.85952 |
| 3 | -1 | 1 | -3 | 86.44325 |
| 4 | -2 | 0 | -2 | 98.47316 |

### Exercice 364 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 2 | 1 | 112.94282 |
| 2 | -3 | 0 | 0 | 92.88976 |
| 3 | -2 | 1 | 2 | 103.35759 |
| 4 | -1 | 3 | 3 | 73.46840 |

### Exercice 365 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 1 | 3 | 73.37961 |
| 2 | 3 | 3 | 2 | 57.94745 |
| 3 | 0 | 0 | 0 | 118.64389 |
| 4 | 1 | 2 | 1 | 108.10188 |

### Exercice 366 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -2 | -1 | 66.37916 |
| 2 | -3 | 0 | 0 | 33.32133 |
| 3 | -1 | -3 | -2 | 35.90547 |
| 4 | -2 | -1 | -3 | 29.10882 |

### Exercice 367 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | -3 | -2 | 30.95436 |
| 2 | 2 | -1 | 0 | 79.00575 |
| 3 | 0 | -2 | -1 | 74.55287 |
| 4 | 1 | 0 | -3 | 51.94632 |

### Exercice 368 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -2 | 2 | 88.74233 |
| 2 | 3 | -3 | 0 | 63.09195 |
| 3 | 1 | 0 | 1 | 132.95650 |
| 4 | 2 | -1 | 3 | 81.96919 |

### Exercice 369 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -3 | -2 | 0 | 32.40876 |
| 2 | -1 | 0 | -2 | 55.48344 |
| 3 | 0 | -1 | -3 | 41.17909 |
| 4 | -2 | -3 | -1 | 36.09199 |

### Exercice 370 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -2 | 2 | 3 | 16.074043 |
| 2 | -3 | 3 | 2 | 4.194141 |
| 3 | 0 | 1 | 1 | 65.167599 |
| 4 | -1 | 0 | 0 | 63.767302 |

### Exercice 371 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 3 | 1 | 35.79692 |
| 2 | 0 | 1 | 0 | 74.90868 |
| 3 | 3 | 2 | 2 | 30.79623 |
| 4 | 1 | 0 | 3 | 42.94521 |

### Exercice 372 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 3 | 0 | 43.79676 |
| 2 | 0 | 1 | 2 | 77.46308 |
| 3 | 3 | 2 | 1 | 49.06513 |
| 4 | 1 | 0 | 3 | 64.31185 |

### Exercice 373 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -2 | 0 | 69.66741 |
| 2 | 1 | -3 | -1 | 63.45388 |
| 3 | 0 | 0 | -2 | 69.80201 |
| 4 | 3 | -1 | -3 | 30.36598 |

### Exercice 374 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -2 | -2 | 51.62742 |
| 2 | -1 | 0 | -1 | 67.15337 |
| 3 | -2 | -3 | 0 | 33.84820 |
| 4 | -3 | -1 | -3 | 14.11787 |

### Exercice 375 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | -2 | -3 | 3.888361 |
| 2 | -3 | -1 | -1 | 6.438553 |
| 3 | 0 | -3 | -2 | 8.399150 |
| 4 | -2 | 0 | 0 | 23.657396 |

### Exercice 376 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -3 | -3 | 34.14274 |
| 2 | 1 | -2 | 0 | 80.28620 |
| 3 | 2 | 0 | -1 | 63.51361 |
| 4 | 3 | -1 | -2 | 39.15408 |

### Exercice 377 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -3 | 0 | 0 | 57.26882 |
| 2 | 0 | 3 | 3 | 46.83028 |
| 3 | -1 | 1 | 2 | 84.64972 |
| 4 | -2 | 2 | 1 | 71.65008 |

### Exercice 378 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 2 | 1 | 82.54986 |
| 2 | 0 | 3 | 3 | 57.38077 |
| 3 | 3 | 0 | 2 | 70.77018 |
| 4 | 1 | 1 | 0 | 105.65089 |

### Exercice 379 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 3 | 1 | 46.21730 |
| 2 | 2 | 0 | 2 | 42.12038 |
| 3 | 0 | 1 | 0 | 85.25846 |
| 4 | 3 | 2 | 3 | 11.86839 |

### Exercice 380 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -2 | 2 | -1 | 69.70051 |
| 2 | -1 | 1 | -3 | 60.37038 |
| 3 | 0 | 3 | -2 | 49.06855 |
| 4 | -3 | 0 | 0 | 63.70585 |

### Exercice 381 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -3 | 3 | 1 | 37.02375 |
| 2 | -1 | 0 | 2 | 76.57135 |
| 3 | 0 | 1 | 3 | 56.53148 |
| 4 | -2 | 2 | 0 | 65.96685 |

### Exercice 382 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -2 | 3 | 21.09453 |
| 2 | 3 | -1 | 0 | 31.14850 |
| 3 | 0 | 0 | 1 | 70.73820 |
| 4 | 1 | -3 | 2 | 35.02861 |

### Exercice 383 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -3 | 2 | 0 | 40.20745 |
| 2 | -2 | 3 | 1 | 43.47302 |
| 3 | 0 | 1 | 3 | 44.31494 |
| 4 | -1 | 0 | 2 | 57.75852 |

### Exercice 384 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -2 | 1 | 129.89672 |
| 2 | 0 | -3 | 3 | 86.42785 |
| 3 | 3 | 0 | 2 | 117.34153 |
| 4 | 2 | -1 | 0 | 143.41973 |

### Exercice 385 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 2 | 2 | 92.63299 |
| 2 | 3 | 3 | 0 | 56.49766 |
| 3 | 2 | 1 | 1 | 100.76591 |
| 4 | 1 | 0 | 3 | 88.57501 |

### Exercice 386 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 0 | 1 | 12.981071 |
| 2 | 2 | -2 | 3 | 6.402354 |
| 3 | 0 | -3 | 0 | 24.347251 |
| 4 | 1 | -1 | 2 | 41.054414 |

### Exercice 387 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | -3 | 0 | 15.61248 |
| 2 | 1 | -2 | 3 | 21.14811 |
| 3 | 2 | 0 | 1 | 65.31288 |
| 4 | 0 | -1 | 2 | 45.86116 |

### Exercice 388 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 0 | 3 | 42.46816 |
| 2 | -3 | 2 | 1 | 31.40977 |
| 3 | -2 | 1 | 2 | 48.95024 |
| 4 | -1 | 3 | 0 | 42.01923 |

### Exercice 389 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -2 | 1 | 48.79232 |
| 2 | 3 | -3 | 0 | 10.49660 |
| 3 | 1 | 0 | 3 | 45.31099 |
| 4 | 2 | -1 | 2 | 48.91785 |

### Exercice 390 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 2 | 0 | 49.18015 |
| 2 | 2 | 1 | 2 | 72.57193 |
| 3 | 0 | 0 | 1 | 103.76558 |
| 4 | 1 | 3 | 3 | 42.32621 |

### Exercice 391 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 0 | 3 | 43.98691 |
| 2 | 3 | 3 | 0 | 11.90956 |
| 3 | 0 | 2 | 1 | 55.57995 |
| 4 | 2 | 1 | 2 | 48.53959 |

### Exercice 392 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -3 | -2 | 71.77324 |
| 2 | 2 | 0 | 0 | 101.99753 |
| 3 | 3 | -1 | -3 | 59.53795 |
| 4 | 1 | -2 | -1 | 101.71745 |

### Exercice 393 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -2 | 3 | 3 | 4.119498 |
| 2 | -1 | 1 | 0 | 61.918731 |
| 3 | 0 | 0 | 2 | 49.739157 |
| 4 | -3 | 2 | 1 | 19.099192 |

### Exercice 394 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -3 | 1 | 2 | 40.90492 |
| 2 | 0 | 0 | 1 | 81.58285 |
| 3 | -2 | 3 | 3 | 22.24825 |
| 4 | -1 | 2 | 0 | 67.32124 |

### Exercice 395 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 1 | 2 | 62.42525 |
| 2 | 0 | 3 | 1 | 36.13140 |
| 3 | 2 | 2 | 3 | 28.01178 |
| 4 | 3 | 0 | 0 | 45.14273 |

### Exercice 396 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -3 | 1 | 22.93375 |
| 2 | 3 | 0 | 0 | 39.83271 |
| 3 | 2 | -2 | 2 | 31.38554 |
| 4 | 1 | -1 | 3 | 33.47784 |

### Exercice 397 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 1 | 1 | 60.96346 |
| 2 | 0 | 2 | 2 | 64.24134 |
| 3 | 1 | 0 | 0 | 96.86965 |
| 4 | 2 | 3 | 3 | 31.48933 |

### Exercice 398 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 2 | 1 | 79.90785 |
| 2 | 2 | 0 | 0 | 89.31065 |
| 3 | 3 | 3 | 3 | 28.16899 |
| 4 | 0 | 1 | 2 | 83.19519 |

### Exercice 399 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -1 | 0 | 133.98716 |
| 2 | 1 | 0 | 2 | 133.28629 |
| 3 | 3 | -2 | 1 | 100.13189 |
| 4 | 2 | -3 | 3 | 78.49936 |

### Exercice 400 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 3 | 0 | 44.47007 |
| 2 | 0 | 1 | 3 | 61.03686 |
| 3 | 1 | 0 | 1 | 102.44242 |
| 4 | 2 | 2 | 2 | 64.58856 |

### Exercice 401 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 0 | 1 | 89.60144 |
| 2 | 0 | 1 | 0 | 96.07714 |
| 3 | 1 | 3 | 2 | 56.70958 |
| 4 | 3 | 2 | 3 | 41.46816 |

### Exercice 402 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -2 | 3 | 0 | 13.12955 |
| 2 | -3 | 1 | -1 | 24.96554 |
| 3 | -1 | 0 | -2 | 43.46783 |
| 4 | 0 | 2 | -3 | 11.81437 |

### Exercice 403 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | 0 | 1 | 95.55947 |
| 2 | -3 | 3 | 0 | 40.85504 |
| 3 | -2 | 1 | 3 | 55.52663 |
| 4 | 0 | 2 | 2 | 76.45151 |

### Exercice 404 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 0 | 1 | 22.812527 |
| 2 | 3 | -1 | 0 | 3.363292 |
| 3 | 0 | -2 | 3 | 7.647746 |
| 4 | 1 | -3 | 2 | 5.968689 |

### Exercice 405 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 0 | 2 | 127.20963 |
| 2 | 0 | 2 | 1 | 154.22733 |
| 3 | 3 | 3 | 3 | 88.61308 |
| 4 | 1 | 1 | 0 | 161.10378 |

### Exercice 406 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 0 | 1 | 125.71614 |
| 2 | 3 | 1 | 2 | 78.65994 |
| 3 | 2 | 2 | 0 | 88.64400 |
| 4 | 0 | 3 | 3 | 66.43498 |

### Exercice 407 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -2 | -3 | 17.01164 |
| 2 | 2 | 0 | 0 | 47.73531 |
| 3 | 3 | -1 | -2 | 19.36460 |
| 4 | 0 | -3 | -1 | 26.13081 |

### Exercice 408 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | 0 | -1 | 124.81242 |
| 2 | 0 | -2 | -2 | 109.28647 |
| 3 | -2 | -1 | 0 | 113.15183 |
| 4 | -3 | -3 | -3 | 59.45496 |

### Exercice 409 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -3 | -3 | 50.45949 |
| 2 | 2 | 0 | -1 | 91.90624 |
| 3 | 3 | -2 | -2 | 58.87289 |
| 4 | 0 | -1 | 0 | 107.49162 |

### Exercice 410 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -2 | -1 | 85.99316 |
| 2 | -1 | -3 | 0 | 64.66200 |
| 3 | -3 | 0 | -3 | 32.97057 |
| 4 | -2 | -1 | -2 | 64.91184 |

### Exercice 411 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 2 | 2 | 98.83715 |
| 2 | 3 | 3 | 1 | 75.42350 |
| 3 | 1 | 0 | 0 | 138.52168 |
| 4 | 0 | 1 | 3 | 102.18942 |

### Exercice 412 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 1 | 1 | 58.39947 |
| 2 | 3 | 3 | 2 | 10.54647 |
| 3 | 0 | 2 | 3 | 28.38338 |
| 4 | 1 | 0 | 0 | 73.23546 |

### Exercice 413 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 0 | 2 | 51.05637 |
| 2 | 3 | 3 | 1 | 11.53599 |
| 3 | 2 | 2 | 3 | 16.72287 |
| 4 | 0 | 1 | 0 | 62.46175 |

### Exercice 414 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 0 | 0 | 132.65988 |
| 2 | 0 | 2 | 1 | 107.46777 |
| 3 | 2 | 1 | 3 | 91.21529 |
| 4 | 3 | 3 | 2 | 66.87100 |

### Exercice 415 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 3 | 0 | 78.62218 |
| 2 | -3 | 0 | 2 | 65.02089 |
| 3 | -1 | 2 | 1 | 98.01839 |
| 4 | -2 | 1 | 3 | 68.56940 |

### Exercice 416 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | -1 | 1 | 14.93752 |
| 2 | 1 | -2 | 2 | 32.20163 |
| 3 | 2 | 0 | 0 | 31.63969 |
| 4 | 0 | -3 | 3 | 5.42686 |

### Exercice 417 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -3 | -1 | 56.62871 |
| 2 | -2 | 0 | -2 | 52.33829 |
| 3 | -1 | -2 | -3 | 43.08560 |
| 4 | -3 | -1 | 0 | 45.97656 |

### Exercice 418 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -2 | 3 | 3 | 42.01311 |
| 2 | -1 | 2 | 1 | 88.42740 |
| 3 | 0 | 1 | 0 | 103.77592 |
| 4 | -3 | 0 | 2 | 55.42989 |

### Exercice 419 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -2 | 1 | -2 | 94.55146 |
| 2 | -3 | 2 | 0 | 77.12081 |
| 3 | -1 | 3 | -3 | 61.29890 |
| 4 | 0 | 0 | -1 | 117.39932 |

### Exercice 420 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 3 | 3 | 51.90116 |
| 2 | 2 | 2 | 2 | 74.47696 |
| 3 | 0 | 0 | 1 | 106.12945 |
| 4 | 3 | 1 | 0 | 76.15399 |

### Exercice 421 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 0 | 0 | 109.59204 |
| 2 | 0 | 2 | 2 | 87.77456 |
| 3 | 2 | 1 | 3 | 73.45538 |
| 4 | 3 | 3 | 1 | 53.50075 |

### Exercice 422 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -3 | 2 | 2 | 61.55924 |
| 2 | -1 | 3 | 1 | 85.48864 |
| 3 | 0 | 0 | 0 | 113.66935 |
| 4 | -2 | 1 | 3 | 65.06853 |

### Exercice 423 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -2 | -2 | -1 | 54.96296 |
| 2 | -1 | -3 | -2 | 41.89032 |
| 3 | -3 | 0 | 0 | 39.30619 |
| 4 | 0 | -1 | -3 | 45.74465 |

### Exercice 424 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 2 | 1 | 49.02220 |
| 2 | 1 | 3 | 0 | 37.87571 |
| 3 | 0 | 0 | 3 | 36.32324 |
| 4 | 3 | 1 | 2 | 33.22876 |

### Exercice 425 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 0 | 2 | 86.44295 |
| 2 | 0 | -1 | 3 | 58.46144 |
| 3 | 3 | -2 | 0 | 62.47392 |
| 4 | 2 | -3 | 1 | 54.61153 |

### Exercice 426 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 0 | 1 | 130.52926 |
| 2 | 1 | 2 | 2 | 98.28936 |
| 3 | 2 | 3 | 3 | 62.89797 |
| 4 | 3 | 1 | 0 | 84.25852 |

### Exercice 427 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 1 | 0 | 13.93667 |
| 2 | 1 | 2 | 1 | 35.39112 |
| 3 | 0 | 3 | 2 | 10.22732 |
| 4 | 2 | 0 | 3 | 15.42270 |

### Exercice 428 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -3 | 0 | 11.98510 |
| 2 | 0 | -1 | -3 | 12.50255 |
| 3 | 3 | -2 | -1 | 11.45004 |
| 4 | 1 | 0 | -2 | 32.92839 |

### Exercice 429 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -3 | 0 | 1 | 82.93056 |
| 2 | -1 | 2 | 2 | 99.39657 |
| 3 | -2 | 3 | 3 | 63.30193 |
| 4 | 0 | 1 | 0 | 125.06475 |

### Exercice 430 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -2 | 0 | 113.69268 |
| 2 | 2 | -3 | 1 | 82.42063 |
| 3 | 1 | -1 | 2 | 110.64971 |
| 4 | 3 | 0 | 3 | 65.26284 |

### Exercice 431 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | -2 | -1 | 27.20922 |
| 2 | 1 | 0 | -2 | 48.68757 |
| 3 | 0 | -1 | -3 | 28.26173 |
| 4 | 2 | -3 | 0 | 27.74428 |

### Exercice 432 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 0 | 1 | 87.44470 |
| 2 | 0 | 2 | 0 | 61.28663 |
| 3 | 3 | 1 | 2 | 40.38849 |
| 4 | 2 | 3 | 3 | 21.63911 |

### Exercice 433 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | -1 | 1 | 55.96828 |
| 2 | 2 | -3 | 0 | 38.72944 |
| 3 | 0 | 0 | 3 | 54.01849 |
| 4 | 1 | -2 | 2 | 56.52827 |

### Exercice 434 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -2 | 2 | 3 | 29.92057 |
| 2 | -3 | 1 | 0 | 43.40002 |
| 3 | -1 | 0 | 2 | 63.09509 |
| 4 | 0 | 3 | 1 | 43.01774 |

### Exercice 435 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 2 | 0 | 65.09965 |
| 2 | 3 | 1 | 1 | 30.24691 |
| 3 | 2 | 3 | 2 | 23.32450 |
| 4 | 1 | 0 | 3 | 31.55364 |

### Exercice 436 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 3 | 1 | 33.04210 |
| 2 | 0 | 2 | 3 | 34.35807 |
| 3 | 3 | 1 | 0 | 32.94469 |
| 4 | 1 | 0 | 2 | 52.19636 |

### Exercice 437 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 2 | 3 | 30.19427 |
| 2 | 0 | 3 | 1 | 46.01140 |
| 3 | 1 | 0 | 2 | 83.49950 |
| 4 | 2 | 1 | 0 | 72.26477 |

### Exercice 438 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 0 | 2 | 26.841189 |
| 2 | 1 | 1 | 3 | 13.958555 |
| 3 | 0 | 3 | 1 | 3.044932 |
| 4 | 3 | 2 | 0 | 0.408360 |

### Exercice 439 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | 2 | 2 | 83.50883 |
| 2 | -2 | 0 | 0 | 92.70811 |
| 3 | 0 | 3 | 3 | 53.24952 |
| 4 | -3 | 1 | 1 | 74.42947 |

### Exercice 440 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -1 | 3 | 41.89580 |
| 2 | 3 | 0 | 2 | 27.17486 |
| 3 | 2 | -3 | 0 | 31.84379 |
| 4 | 0 | -2 | 1 | 66.54348 |

### Exercice 441 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -2 | 0 | 0 | 58.59308 |
| 2 | -3 | 2 | 3 | 18.65787 |
| 3 | -1 | 3 | 2 | 40.52781 |
| 4 | 0 | 1 | 1 | 86.97545 |

### Exercice 442 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 1 | 3 | 68.93558 |
| 2 | 1 | 0 | 2 | 95.36186 |
| 3 | 3 | 2 | 0 | 55.76867 |
| 4 | 2 | 3 | 1 | 53.26609 |

### Exercice 443 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 1 | 1 | 22.81094 |
| 2 | 2 | 0 | 2 | 29.90896 |
| 3 | 0 | 2 | 0 | 57.66367 |
| 4 | 1 | 3 | 3 | 11.20602 |

### Exercice 444 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | 0 | 3 | 29.549633 |
| 2 | -3 | 3 | 0 | 7.208251 |
| 3 | 0 | 2 | 1 | 53.739200 |
| 4 | -2 | 1 | 2 | 37.434720 |

### Exercice 445 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 3 | 3 | 38.96454 |
| 2 | 1 | 2 | 1 | 76.54291 |
| 3 | 3 | 0 | 0 | 67.12895 |
| 4 | 2 | 1 | 2 | 75.33859 |

### Exercice 446 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -2 | -2 | 54.88045 |
| 2 | 3 | -1 | -1 | 52.05779 |
| 3 | 0 | -3 | 0 | 67.22750 |
| 4 | 1 | 0 | -3 | 47.98208 |

### Exercice 447 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 3 | 2 | 51.61352 |
| 2 | 0 | 0 | 1 | 111.40806 |
| 3 | 2 | 2 | 0 | 87.06458 |
| 4 | 1 | 1 | 3 | 76.69511 |

### Exercice 448 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -1 | 3 | 33.05289 |
| 2 | 3 | -2 | 0 | 24.12821 |
| 3 | 0 | -3 | 1 | 22.50881 |
| 4 | 2 | 0 | 2 | 48.81611 |

### Exercice 449 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -2 | 3 | 62.40007 |
| 2 | 3 | 0 | 1 | 85.27327 |
| 3 | 1 | -3 | 2 | 63.37122 |
| 4 | 0 | -1 | 0 | 103.61136 |

### Exercice 450 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 0 | 3 | 44.87197 |
| 2 | 2 | 1 | 0 | 67.92238 |
| 3 | 0 | 2 | 2 | 51.91090 |
| 4 | 3 | 3 | 1 | 26.39753 |

### Exercice 451 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 0 | 0 | 88.62155 |
| 2 | 2 | -2 | 1 | 45.49138 |
| 3 | 0 | -3 | 2 | 19.56459 |
| 4 | 3 | -1 | 3 | 19.90717 |

### Exercice 452 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 0 | 0 | 128.41049 |
| 2 | 3 | 3 | 2 | 73.61231 |
| 3 | 2 | 1 | 3 | 89.04447 |
| 4 | 0 | 2 | 1 | 128.62896 |

### Exercice 453 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -3 | 3 | 52.66833 |
| 2 | 1 | -2 | 2 | 77.47966 |
| 3 | 2 | -1 | 0 | 81.34707 |
| 4 | 3 | 0 | 1 | 56.29645 |

### Exercice 454 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 2 | 3 | 29.06438 |
| 2 | 0 | 0 | 0 | 71.24483 |
| 3 | 3 | 1 | 1 | 40.48624 |
| 4 | 2 | 3 | 2 | 20.51134 |

### Exercice 455 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | -3 | -1 | 36.83279 |
| 2 | 0 | -1 | 0 | 90.40566 |
| 3 | 1 | -2 | -3 | 45.59976 |
| 4 | 2 | 0 | -2 | 62.30199 |

### Exercice 456 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 0 | 0 | 8.846717 |
| 2 | 2 | -3 | 2 | 5.468550 |
| 3 | 0 | -2 | 1 | 49.142076 |
| 4 | 1 | -1 | 3 | 15.613312 |

### Exercice 457 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 1 | 3 | 9.206268 |
| 2 | 0 | 0 | 2 | 51.310048 |
| 3 | 1 | 3 | 0 | 15.636761 |
| 4 | 2 | 2 | 1 | 30.249589 |

### Exercice 458 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 3 | 3 | 76.10260 |
| 2 | 0 | 1 | 0 | 132.39025 |
| 3 | 3 | 2 | 2 | 89.23814 |
| 4 | 1 | 0 | 1 | 143.45905 |

### Exercice 459 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 2 | 0 | 92.00243 |
| 2 | -1 | 1 | 1 | 106.62395 |
| 3 | -2 | 0 | 3 | 60.95817 |
| 4 | -3 | 3 | 2 | 43.55651 |

### Exercice 460 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 0 | 2 | 97.09271 |
| 2 | 2 | 1 | 0 | 94.14828 |
| 3 | 3 | 3 | 1 | 51.86362 |
| 4 | 1 | 2 | 3 | 66.10627 |

### Exercice 461 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 0 | -3 | 51.96212 |
| 2 | 2 | -2 | 0 | 68.07899 |
| 3 | 0 | -1 | -1 | 88.67871 |
| 4 | 3 | -3 | -2 | 30.97017 |

### Exercice 462 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | 1 | 1 | 84.74583 |
| 2 | -3 | 3 | 0 | 25.75085 |
| 3 | 0 | 2 | 2 | 61.34732 |
| 4 | -2 | 0 | 3 | 39.08005 |

### Exercice 463 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 1 | 2 | 81.74163 |
| 2 | 1 | 0 | 1 | 107.85207 |
| 3 | 2 | 2 | 0 | 65.88508 |
| 4 | 3 | 3 | 3 | 24.97795 |

### Exercice 464 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 0 | 1 | 51.46539 |
| 2 | 0 | 3 | 0 | 25.58456 |
| 3 | 3 | 2 | 2 | 16.11684 |
| 4 | 1 | 1 | 3 | 35.80941 |

### Exercice 465 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 3 | 3 | 18.98152 |
| 2 | 2 | 1 | 1 | 77.79138 |
| 3 | 1 | 2 | 0 | 73.78347 |
| 4 | 0 | 0 | 2 | 72.05023 |

### Exercice 466 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -3 | -1 | 12.649618 |
| 2 | -1 | 0 | -3 | 1.518036 |
| 3 | -2 | -2 | -2 | 5.645840 |
| 4 | -3 | -1 | 0 | 1.997465 |

### Exercice 467 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 0 | 1 | 75.24847 |
| 2 | 3 | 2 | 3 | 8.19678 |
| 3 | 2 | 3 | 0 | 19.97681 |
| 4 | 1 | 1 | 2 | 56.83701 |

### Exercice 468 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -2 | 2 | 46.31687 |
| 2 | 0 | -3 | 3 | 18.17601 |
| 3 | 3 | -1 | 1 | 55.53301 |
| 4 | 1 | 0 | 0 | 99.51568 |

### Exercice 469 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -1 | -3 | 66.03886 |
| 2 | 2 | -2 | -1 | 79.93493 |
| 3 | 0 | 0 | -2 | 83.09430 |
| 4 | 3 | -3 | 0 | 51.38788 |

### Exercice 470 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -2 | 0 | 49.86402 |
| 2 | 3 | 0 | 3 | 24.24146 |
| 3 | 2 | -1 | 1 | 59.80704 |
| 4 | 0 | -3 | 2 | 22.05198 |

### Exercice 471 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 2 | 3 | 30.21883 |
| 2 | -1 | 0 | 0 | 72.08262 |
| 3 | -3 | 3 | 1 | 18.01628 |
| 4 | -2 | 1 | 2 | 47.73743 |

### Exercice 472 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | 3 | 0 | 35.54015 |
| 2 | -2 | 0 | 1 | 55.68578 |
| 3 | -3 | 1 | 3 | 15.98284 |
| 4 | 0 | 2 | 2 | 44.62150 |

### Exercice 473 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -2 | 0 | 1 | 47.63196 |
| 2 | -3 | 2 | 2 | 19.90343 |
| 3 | -1 | 3 | 3 | 18.14656 |
| 4 | 0 | 1 | 0 | 86.19706 |

### Exercice 474 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 1 | 3 | 4.672858 |
| 2 | 3 | 2 | 0 | 5.940253 |
| 3 | 0 | 0 | 2 | 33.314274 |
| 4 | 1 | 3 | 1 | 21.336581 |

### Exercice 475 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -2 | 2 | 67.38781 |
| 2 | 0 | 0 | 1 | 110.71847 |
| 3 | 1 | -3 | 3 | 45.39095 |
| 4 | 3 | -1 | 0 | 67.76998 |

### Exercice 476 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 3 | 3 | 49.39112 |
| 2 | 3 | 1 | 2 | 69.77006 |
| 3 | 1 | 0 | 0 | 112.29864 |
| 4 | 2 | 2 | 1 | 78.85451 |

### Exercice 477 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 0 | 3 | 35.41578 |
| 2 | 1 | 3 | 2 | 37.49562 |
| 3 | 2 | 2 | 0 | 53.22792 |
| 4 | 0 | 1 | 1 | 80.66239 |

### Exercice 478 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 3 | 2 | 6.513374 |
| 2 | 3 | 2 | 0 | 9.476185 |
| 3 | 0 | 0 | 1 | 64.061611 |
| 4 | 1 | 1 | 3 | 26.869668 |

### Exercice 479 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | -1 | 1 | 18.08962 |
| 2 | 2 | -3 | 0 | 15.13381 |
| 3 | 0 | -2 | 3 | 21.24086 |
| 4 | 1 | 0 | 2 | 41.51968 |

### Exercice 480 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 1 | 3 | 48.79902 |
| 2 | 3 | 0 | 1 | 57.61036 |
| 3 | 1 | 3 | 0 | 44.17449 |
| 4 | 0 | 2 | 2 | 57.61530 |

### Exercice 481 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -2 | 3 | 1 | 37.15709 |
| 2 | -3 | 2 | 2 | 28.81956 |
| 3 | 0 | 0 | 0 | 77.01369 |
| 4 | -1 | 1 | 3 | 45.84489 |

### Exercice 482 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -2 | 3 | 0 | 49.09891 |
| 2 | -3 | 2 | -1 | 51.94253 |
| 3 | 0 | 0 | -2 | 76.39517 |
| 4 | -1 | 1 | -3 | 57.98345 |

### Exercice 483 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 3 | 1 | 51.27446 |
| 2 | 0 | 1 | 2 | 78.76836 |
| 3 | 3 | 0 | 0 | 64.36810 |
| 4 | 1 | 2 | 3 | 52.64989 |

### Exercice 484 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 3 | 1 | 51.38071 |
| 2 | 1 | 2 | 3 | 48.67382 |
| 3 | 3 | 1 | 0 | 58.78426 |
| 4 | 2 | 0 | 2 | 70.39311 |

### Exercice 485 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | 2 | 3 | 20.17510 |
| 2 | 0 | 1 | 1 | 62.79111 |
| 3 | -3 | 0 | 2 | 19.86364 |
| 4 | -2 | 3 | 0 | 19.71258 |

### Exercice 486 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 2 | 3 | 87.61001 |
| 2 | 3 | 3 | 1 | 70.95287 |
| 3 | 2 | 1 | 2 | 96.17363 |
| 4 | 1 | 0 | 0 | 119.77218 |

### Exercice 487 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -2 | 0 | 71.43151 |
| 2 | 3 | -1 | 2 | 57.83359 |
| 3 | 2 | 0 | 3 | 56.21758 |
| 4 | 1 | -3 | 1 | 53.47542 |

### Exercice 488 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -3 | 2 | 86.28619 |
| 2 | 2 | -2 | 1 | 95.33108 |
| 3 | 1 | -1 | 0 | 120.08090 |
| 4 | 3 | 0 | 3 | 63.50548 |

### Exercice 489 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -3 | 1 | 47.82179 |
| 2 | 0 | -1 | 2 | 69.74526 |
| 3 | 3 | 0 | 3 | 43.84592 |
| 4 | 1 | -2 | 0 | 74.14736 |

### Exercice 490 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | -2 | -1 | 106.08252 |
| 2 | -2 | 0 | 0 | 95.61744 |
| 3 | -3 | -1 | -3 | 58.12203 |
| 4 | 0 | -3 | -2 | 80.35919 |

### Exercice 491 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 0 | -3 | 30.74527 |
| 2 | 2 | -2 | -1 | 45.67742 |
| 3 | 0 | -3 | -2 | 25.70049 |
| 4 | 3 | -1 | 0 | 37.45128 |

### Exercice 492 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 3 | 3 | 49.76424 |
| 2 | -1 | 0 | 2 | 90.01418 |
| 3 | -2 | 1 | 0 | 90.16707 |
| 4 | -3 | 2 | 1 | 63.52148 |

### Exercice 493 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -1 | 0 | 112.07451 |
| 2 | 3 | -2 | 3 | 66.41607 |
| 3 | 1 | -3 | 2 | 77.58817 |
| 4 | 0 | 0 | 1 | 128.22833 |

### Exercice 494 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 1 | 0 | 111.30587 |
| 2 | 2 | 3 | 2 | 66.85209 |
| 3 | 3 | 2 | 3 | 59.57933 |
| 4 | 1 | 0 | 1 | 129.97254 |

### Exercice 495 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -3 | 2 | 3 | 17.70761 |
| 2 | 0 | 3 | 0 | 42.05834 |
| 3 | -1 | 1 | 2 | 63.71618 |
| 4 | -2 | 0 | 1 | 62.93211 |

### Exercice 496 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 1 | 1 | 92.60092 |
| 2 | 3 | 0 | 2 | 51.00185 |
| 3 | 2 | 3 | 3 | 31.08801 |
| 4 | 0 | 2 | 0 | 70.73553 |

### Exercice 497 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 3 | 1 | 65.49097 |
| 2 | 0 | 1 | 2 | 106.29608 |
| 3 | 1 | 0 | 0 | 127.46286 |
| 4 | 2 | 2 | 3 | 74.43922 |

### Exercice 498 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 1 | 1 | 46.160386 |
| 2 | 1 | 3 | 0 | 9.969767 |
| 3 | 2 | 0 | 3 | 10.868165 |
| 4 | 3 | 2 | 2 | 1.751670 |

### Exercice 499 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 3 | 1 | 52.23582 |
| 2 | 0 | 0 | 3 | 63.83360 |
| 3 | 3 | 1 | 0 | 58.69736 |
| 4 | 2 | 2 | 2 | 58.20023 |

### Exercice 500 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 0 | 1 | 37.742744 |
| 2 | 0 | 3 | 0 | 10.558609 |
| 3 | 3 | 2 | 2 | 1.621889 |
| 4 | 1 | 1 | 3 | 13.338221 |

### Exercice 501 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 2 | 2 | 63.13552 |
| 2 | 2 | 0 | 1 | 81.34744 |
| 3 | 1 | 1 | 0 | 94.92531 |
| 4 | 3 | 3 | 3 | 21.76982 |

### Exercice 502 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | 2 | 3 | 17.63809 |
| 2 | -3 | 0 | 2 | 11.46410 |
| 3 | 0 | 3 | 1 | 26.37338 |
| 4 | -2 | 1 | 0 | 38.10343 |

### Exercice 503 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -1 | -1 | 34.31581 |
| 2 | 3 | -2 | 0 | 12.08051 |
| 3 | 1 | -3 | -2 | 14.30974 |
| 4 | 0 | 0 | -3 | 11.70626 |

### Exercice 504 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 3 | 0 | 20.375433 |
| 2 | 2 | 0 | 1 | 49.377704 |
| 3 | 1 | 2 | 2 | 34.224467 |
| 4 | 3 | 1 | 3 | 8.076207 |

### Exercice 505 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -2 | 3 | 31.24900 |
| 2 | 0 | -1 | 0 | 72.46028 |
| 3 | 1 | -3 | 1 | 38.31445 |
| 4 | 3 | 0 | 2 | 46.26483 |

### Exercice 506 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 2 | 2 | 50.21739 |
| 2 | 1 | 3 | 0 | 58.43549 |
| 3 | 0 | 1 | 1 | 94.62611 |
| 4 | 2 | 0 | 3 | 59.33389 |

### Exercice 507 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 0 | -3 | 42.64374 |
| 2 | 1 | -3 | -1 | 49.00528 |
| 3 | 3 | -1 | -2 | 40.78370 |
| 4 | 2 | -2 | 0 | 60.09178 |

### Exercice 508 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -1 | -2 | 43.44396 |
| 2 | 1 | -2 | 0 | 57.45590 |
| 3 | 3 | 0 | -3 | 12.92863 |
| 4 | 0 | -3 | -1 | 34.56924 |

### Exercice 509 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -2 | 0 | 2 | 36.019178 |
| 2 | -1 | 1 | 3 | 31.486827 |
| 3 | 0 | 2 | 0 | 51.946362 |
| 4 | -3 | 3 | 1 | 8.451217 |

### Exercice 510 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -3 | -3 | 76.45255 |
| 2 | 1 | -1 | 0 | 142.65590 |
| 3 | 3 | -2 | -2 | 86.02596 |
| 4 | 0 | 0 | -1 | 132.10171 |

### Exercice 511 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -2 | 1 | 0 | 76.46376 |
| 2 | -1 | 2 | 2 | 72.50230 |
| 3 | 0 | 3 | 1 | 64.73371 |
| 4 | -3 | 0 | 3 | 38.03529 |

### Exercice 512 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 2 | 1 | 77.20342 |
| 2 | 2 | 3 | 3 | 37.13419 |
| 3 | 1 | 1 | 2 | 85.86546 |
| 4 | 3 | 0 | 0 | 69.34032 |

### Exercice 513 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 0 | 3 | 18.43454 |
| 2 | 1 | 3 | 1 | 36.78918 |
| 3 | 2 | 1 | 0 | 59.90814 |
| 4 | 0 | 2 | 2 | 43.89666 |

### Exercice 514 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -2 | 1 | 74.13115 |
| 2 | 0 | -1 | 2 | 77.21191 |
| 3 | 1 | 0 | 3 | 65.85482 |
| 4 | 3 | -3 | 0 | 46.96323 |

### Exercice 515 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 3 | 3 | 29.52441 |
| 2 | 3 | 2 | 1 | 46.60004 |
| 3 | 2 | 0 | 0 | 78.42933 |
| 4 | 1 | 1 | 2 | 75.21011 |

### Exercice 516 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 3 | 0 | 35.72234 |
| 2 | 1 | 0 | 1 | 93.65268 |
| 3 | 0 | 2 | 3 | 38.37157 |
| 4 | 3 | 1 | 2 | 44.59501 |

### Exercice 517 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 0 | 0 | 77.80265 |
| 2 | 3 | 3 | 1 | 37.47056 |
| 3 | 1 | 1 | 3 | 66.24078 |
| 4 | 0 | 2 | 2 | 71.74437 |

### Exercice 518 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 0 | 1 | 102.22527 |
| 2 | 2 | 1 | 3 | 57.76109 |
| 3 | 3 | 3 | 0 | 35.05986 |
| 4 | 1 | 2 | 2 | 66.97648 |

### Exercice 519 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | -1 | -2 | 28.404208 |
| 2 | -3 | -2 | -1 | 0.997719 |
| 3 | 0 | 0 | -3 | 7.334777 |
| 4 | -2 | -3 | 0 | 5.331187 |

### Exercice 520 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 0 | 1 | 107.71121 |
| 2 | 3 | 2 | 0 | 69.54685 |
| 3 | 1 | 1 | 2 | 94.75961 |
| 4 | 2 | 3 | 3 | 48.84287 |

### Exercice 521 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -2 | 3 | 62.92212 |
| 2 | 2 | -1 | 2 | 71.85095 |
| 3 | 3 | 0 | 0 | 56.96808 |
| 4 | 1 | -3 | 1 | 68.19980 |

### Exercice 522 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | -1 | -3 | 31.25802 |
| 2 | -3 | 0 | -2 | 18.89576 |
| 3 | -2 | -3 | -1 | 27.84493 |
| 4 | 0 | -2 | 0 | 60.27490 |

### Exercice 523 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -3 | 3 | 81.43587 |
| 2 | 0 | -1 | 2 | 123.17724 |
| 3 | 1 | -2 | 1 | 125.35586 |
| 4 | 3 | 0 | 0 | 125.59957 |

### Exercice 524 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 2 | 3 | 44.96327 |
| 2 | 2 | 3 | 0 | 47.81240 |
| 3 | 3 | 1 | 2 | 49.41117 |
| 4 | 1 | 0 | 1 | 92.42058 |

### Exercice 525 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 0 | 1 | 71.87220 |
| 2 | 2 | 3 | 2 | 20.78325 |
| 3 | 3 | 2 | 0 | 28.87010 |
| 4 | 1 | 1 | 3 | 37.42977 |

### Exercice 526 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 1 | 1 | 123.52984 |
| 2 | 2 | 0 | 0 | 104.01813 |
| 3 | 0 | 2 | 3 | 83.27024 |
| 4 | 3 | 3 | 2 | 59.89451 |

### Exercice 527 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 3 | 0 | 72.62921 |
| 2 | -2 | 2 | 3 | 43.53040 |
| 3 | -1 | 1 | 1 | 93.79164 |
| 4 | -3 | 0 | 2 | 44.22010 |

### Exercice 528 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 1 | 1 | 59.374445 |
| 2 | 2 | 2 | 0 | 28.636293 |
| 3 | 3 | 0 | 2 | 23.501905 |
| 4 | 0 | 3 | 3 | 0.988012 |

### Exercice 529 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 2 | 1 | 115.66966 |
| 2 | -3 | 3 | 0 | 70.36544 |
| 3 | -1 | 0 | 2 | 98.21635 |
| 4 | -2 | 1 | 3 | 73.99904 |

### Exercice 530 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -2 | 2 | 2 | 46.85872 |
| 2 | -1 | 0 | 0 | 78.22955 |
| 3 | -3 | 3 | 1 | 29.44858 |
| 4 | 0 | 1 | 3 | 45.48612 |

### Exercice 531 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | 1 | 2 | 92.73043 |
| 2 | -3 | 2 | 0 | 60.78095 |
| 3 | 0 | 0 | 1 | 107.62319 |
| 4 | -2 | 3 | 3 | 46.84004 |

### Exercice 532 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -2 | 0 | 0 | 115.20013 |
| 2 | -3 | 1 | -2 | 87.27764 |
| 3 | -1 | 3 | -3 | 69.82453 |
| 4 | 0 | 2 | -1 | 107.38027 |

### Exercice 533 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 1 | 0 | 76.73140 |
| 2 | 2 | 0 | 3 | 71.03916 |
| 3 | 0 | 2 | 1 | 89.19199 |
| 4 | 1 | 3 | 2 | 64.49427 |

### Exercice 534 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 2 | 1 | 109.21468 |
| 2 | 3 | 3 | 2 | 73.77406 |
| 3 | 0 | 1 | 3 | 96.52059 |
| 4 | 1 | 0 | 0 | 136.29098 |

### Exercice 535 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 0 | 2 | 124.10050 |
| 2 | 2 | 2 | 0 | 100.84350 |
| 3 | 1 | 3 | 3 | 74.46643 |
| 4 | 3 | 1 | 1 | 99.86771 |

### Exercice 536 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -3 | 3 | 64.98767 |
| 2 | 2 | -1 | 2 | 84.61425 |
| 3 | 0 | -2 | 0 | 115.49572 |
| 4 | 3 | 0 | 1 | 71.57517 |

### Exercice 537 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 1 | 0 | 60.503333 |
| 2 | 3 | 2 | 3 | 5.894355 |
| 3 | 2 | 0 | 1 | 54.027634 |
| 4 | 1 | 3 | 2 | 21.135776 |

### Exercice 538 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 1 | 0 | 112.64135 |
| 2 | -3 | 3 | 1 | 58.94313 |
| 3 | -1 | 2 | 3 | 71.79375 |
| 4 | -2 | 0 | 2 | 87.93171 |

### Exercice 539 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 3 | 2 | 37.08100 |
| 2 | 2 | 1 | 1 | 78.63790 |
| 3 | 1 | 0 | 0 | 91.87918 |
| 4 | 0 | 2 | 3 | 59.71701 |

### Exercice 540 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 0 | -1 | 39.00058 |
| 2 | 2 | -3 | -3 | 19.98977 |
| 3 | 1 | -1 | 0 | 86.19312 |
| 4 | 0 | -2 | -2 | 57.59710 |

### Exercice 541 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | -3 | -1 | 61.34965 |
| 2 | -2 | 0 | -3 | 43.49802 |
| 3 | 0 | -1 | 0 | 99.01683 |
| 4 | -3 | -2 | -2 | 40.34697 |

### Exercice 542 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -1 | 1 | 65.58608 |
| 2 | 3 | 0 | 2 | 37.08755 |
| 3 | 0 | -2 | 0 | 74.12841 |
| 4 | 1 | -3 | 3 | 33.33166 |

### Exercice 543 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 1 | 2 | 54.65748 |
| 2 | 2 | 0 | 1 | 59.98622 |
| 3 | 3 | 2 | 3 | 12.49296 |
| 4 | 1 | 3 | 0 | 36.76165 |

### Exercice 544 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 1 | 3 | 23.39692 |
| 2 | 1 | 0 | 2 | 64.63966 |
| 3 | 0 | 3 | 0 | 35.69615 |
| 4 | 2 | 2 | 1 | 49.58447 |

### Exercice 545 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 0 | 1 | 45.662390 |
| 2 | 0 | 2 | 3 | 14.212001 |
| 3 | 2 | 3 | 2 | 5.554509 |
| 4 | 3 | 1 | 0 | 12.798626 |

### Exercice 546 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 3 | 3 | 79.65667 |
| 2 | 3 | 2 | 1 | 96.73229 |
| 3 | 2 | 0 | 0 | 128.56159 |
| 4 | 1 | 1 | 2 | 125.34236 |

### Exercice 547 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 2 | 3 | 18.85526 |
| 2 | -2 | 0 | 0 | 39.14823 |
| 3 | -3 | 1 | 1 | 20.95550 |
| 4 | -1 | 3 | 2 | 22.12353 |

### Exercice 548 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 0 | 3 | 29.786415 |
| 2 | 0 | -1 | 2 | 55.150445 |
| 3 | 3 | -3 | 0 | 6.930633 |
| 4 | 2 | -2 | 1 | 37.422276 |

### Exercice 549 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 1 | 1 | 50.35120 |
| 2 | 3 | 0 | 2 | 22.99929 |
| 3 | 1 | 2 | 3 | 18.61567 |
| 4 | 0 | 3 | 0 | 23.93484 |

### Exercice 550 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 0 | 1 | 126.71787 |
| 2 | 0 | 3 | 2 | 67.92826 |
| 3 | 2 | 2 | 0 | 84.75088 |
| 4 | 3 | 1 | 3 | 64.53502 |

### Exercice 551 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 0 | 3 | 26.60147 |
| 2 | 3 | 1 | 2 | 19.57281 |
| 3 | 2 | 2 | 1 | 32.42629 |
| 4 | 0 | 3 | 0 | 17.58670 |

### Exercice 552 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -2 | 3 | 3.435673 |
| 2 | 2 | 0 | 0 | 51.432992 |
| 3 | 0 | -3 | 1 | 6.808322 |
| 4 | 3 | -1 | 2 | 14.289230 |

### Exercice 553 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 2 | 2 | 29.157301 |
| 2 | 1 | 0 | 0 | 58.089106 |
| 3 | 0 | 3 | 1 | 38.338947 |
| 4 | 3 | 1 | 3 | 4.492589 |

### Exercice 554 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 2 | 3 | 53.68674 |
| 2 | 3 | 0 | 2 | 62.89847 |
| 3 | 1 | 1 | 0 | 100.10962 |
| 4 | 0 | 3 | 1 | 62.58892 |

### Exercice 555 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -3 | 0 | 50.58403 |
| 2 | 0 | 0 | -2 | 69.51193 |
| 3 | 1 | -2 | -3 | 45.87624 |
| 4 | 3 | -1 | -1 | 57.15643 |

### Exercice 556 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -2 | 2 | 63.64657 |
| 2 | 0 | 0 | 1 | 86.05765 |
| 3 | 2 | -3 | 3 | 27.37561 |
| 4 | 3 | -1 | 0 | 46.46796 |

### Exercice 557 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | -2 | 0 | 36.29358 |
| 2 | 0 | -1 | 3 | 52.52636 |
| 3 | 2 | -3 | 1 | 41.02440 |
| 4 | 1 | 0 | 2 | 66.31039 |

### Exercice 558 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -2 | 1 | 103.90479 |
| 2 | 1 | -3 | 3 | 68.08411 |
| 3 | 3 | -1 | 2 | 93.12605 |
| 4 | 0 | 0 | 0 | 132.05769 |

### Exercice 559 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -2 | 2 | 1 | 111.35979 |
| 2 | 0 | 1 | 3 | 106.12292 |
| 3 | -3 | 3 | 2 | 76.69029 |
| 4 | -1 | 0 | 0 | 132.58035 |

### Exercice 560 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | 3 | 0 | 29.113525 |
| 2 | -3 | 2 | 2 | 2.670256 |
| 3 | -2 | 0 | 3 | 3.357556 |
| 4 | 0 | 1 | 1 | 58.949351 |

### Exercice 561 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -3 | 1 | 1 | 91.85129 |
| 2 | 0 | 2 | 2 | 108.67715 |
| 3 | -2 | 3 | 3 | 70.78698 |
| 4 | -1 | 0 | 0 | 124.89829 |

### Exercice 562 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -2 | 0 | 2 | 66.52139 |
| 2 | -1 | 2 | 1 | 82.19569 |
| 3 | 0 | 3 | 3 | 43.85235 |
| 4 | -3 | 1 | 0 | 55.69922 |

### Exercice 563 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 1 | 2 | 53.36725 |
| 2 | 3 | 0 | 0 | 36.84210 |
| 3 | 2 | 2 | 3 | 18.61414 |
| 4 | 0 | 3 | 1 | 24.61726 |

### Exercice 564 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 1 | 0 | 77.32034 |
| 2 | 3 | 3 | 1 | 26.85525 |
| 3 | 2 | 2 | 3 | 34.39276 |
| 4 | 1 | 0 | 2 | 71.38486 |

### Exercice 565 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 0 | 3 | 84.73012 |
| 2 | 2 | 1 | 0 | 101.40250 |
| 3 | 1 | 2 | 2 | 88.15492 |
| 4 | 3 | 3 | 1 | 59.11784 |

### Exercice 566 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 2 | 0 | 37.38997 |
| 2 | 0 | 1 | 1 | 62.40039 |
| 3 | 3 | 0 | 2 | 30.88995 |
| 4 | 1 | 3 | 3 | 8.66758 |

### Exercice 567 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -3 | 2 | 2 | 29.55441 |
| 2 | -2 | 3 | 0 | 36.81073 |
| 3 | 0 | 1 | 3 | 48.02599 |
| 4 | -1 | 0 | 1 | 77.37024 |

### Exercice 568 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -1 | 2 | 93.62098 |
| 2 | 2 | -3 | 3 | 43.94548 |
| 3 | 3 | 0 | 1 | 61.38074 |
| 4 | 1 | -2 | 0 | 88.46469 |

### Exercice 569 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 2 | 3 | 33.44283 |
| 2 | 0 | 0 | 2 | 71.65893 |
| 3 | 1 | 3 | 1 | 40.28817 |
| 4 | 3 | 1 | 0 | 46.74970 |

### Exercice 570 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 0 | 2 | 94.94884 |
| 2 | 2 | 2 | 0 | 84.88882 |
| 3 | 0 | 3 | 3 | 51.07964 |
| 4 | 3 | 1 | 1 | 78.11298 |

### Exercice 571 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -2 | 3 | 19.08724 |
| 2 | 2 | 0 | 2 | 25.00169 |
| 3 | 3 | -1 | 1 | 18.42104 |
| 4 | 0 | -3 | 0 | 38.67330 |

### Exercice 572 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 1 | 2 | 112.69865 |
| 2 | 1 | 3 | 1 | 94.84457 |
| 3 | 2 | 0 | 0 | 117.95483 |
| 4 | 3 | 2 | 3 | 70.53412 |

### Exercice 573 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 2 | 3 | 30.00701 |
| 2 | 3 | 0 | 2 | 36.64452 |
| 3 | 1 | 1 | 1 | 78.24359 |
| 4 | 0 | 3 | 0 | 36.94518 |

### Exercice 574 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 0 | 3 | 48.57340 |
| 2 | 0 | -3 | 0 | 51.58509 |
| 3 | 1 | -2 | 1 | 75.29172 |
| 4 | 2 | -1 | 2 | 73.72202 |

### Exercice 575 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 1 | 1 | 18.599840 |
| 2 | 1 | 3 | 2 | 5.354716 |
| 3 | 0 | 0 | 3 | 16.422720 |
| 4 | 2 | 2 | 0 | 23.031931 |

### Exercice 576 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -3 | 3 | 30.90914 |
| 2 | 1 | -2 | 0 | 77.05260 |
| 3 | 3 | 0 | 1 | 72.94486 |
| 4 | 0 | -1 | 2 | 72.65051 |

### Exercice 577 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 3 | 0 | 48.00205 |
| 2 | 2 | 1 | 3 | 65.25122 |
| 3 | 1 | 0 | 1 | 111.35805 |
| 4 | 0 | 2 | 2 | 77.09738 |

### Exercice 578 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 3 | 0 | 30.484183 |
| 2 | -3 | 2 | 3 | 1.475932 |
| 3 | -1 | 0 | 2 | 46.894027 |
| 4 | -2 | 1 | 1 | 45.290357 |

### Exercice 579 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -2 | -3 | -3 | 47.46056 |
| 2 | -1 | -1 | -2 | 90.92190 |
| 3 | 0 | -2 | -1 | 99.21962 |
| 4 | -3 | 0 | 0 | 66.16180 |

### Exercice 580 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | -2 | 2 | 22.54950 |
| 2 | 2 | -1 | 3 | 33.91432 |
| 3 | 0 | 0 | 1 | 79.11162 |
| 4 | 1 | -3 | 0 | 27.24140 |

### Exercice 581 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 2 | 2 | 82.47194 |
| 2 | 0 | 1 | 0 | 127.74261 |
| 3 | 1 | 3 | 1 | 88.70144 |
| 4 | 3 | 0 | 3 | 55.75786 |

### Exercice 582 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 0 | -2 | 49.39175 |
| 2 | 3 | -1 | -3 | 12.00478 |
| 3 | 0 | -3 | -1 | 32.85985 |
| 4 | 2 | -2 | 0 | 45.40172 |

### Exercice 583 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 0 | -3 | 22.92642 |
| 2 | 1 | -2 | -1 | 54.01157 |
| 3 | 0 | -3 | -2 | 24.06736 |
| 4 | 3 | -1 | 0 | 35.81815 |

### Exercice 584 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 0 | 1 | 93.62501 |
| 2 | 2 | -3 | 0 | 41.97398 |
| 3 | 0 | -1 | 2 | 62.48044 |
| 4 | 3 | -2 | 3 | 25.52493 |

### Exercice 585 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | 1 | 2 | 128.9500 |
| 2 | 0 | 0 | 0 | 148.6916 |
| 3 | -2 | 3 | 1 | 110.0226 |
| 4 | -3 | 2 | 3 | 83.7214 |

### Exercice 586 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -1 | -1 | 75.87523 |
| 2 | 2 | 0 | 0 | 60.20968 |
| 3 | 3 | -3 | -2 | 14.03822 |
| 4 | 0 | -2 | -3 | 28.26949 |

### Exercice 587 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 3 | 1 | 52.29092 |
| 2 | 1 | 1 | 0 | 84.35171 |
| 3 | 3 | 2 | 2 | 40.30394 |
| 4 | 2 | 0 | 3 | 52.40373 |

### Exercice 588 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 2 | 3 | 57.90476 |
| 2 | 0 | 1 | 0 | 99.09593 |
| 3 | 3 | 3 | 1 | 48.95651 |
| 4 | 1 | 0 | 2 | 97.51833 |

### Exercice 589 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -2 | 3 | 2 | 52.51541 |
| 2 | -3 | 0 | 1 | 60.64125 |
| 3 | -1 | 2 | 0 | 85.42095 |
| 4 | 0 | 1 | 3 | 68.66651 |

### Exercice 590 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -2 | 0 | 3 | 45.03839 |
| 2 | -1 | 3 | 1 | 56.27652 |
| 3 | -3 | 2 | 0 | 43.35639 |
| 4 | 0 | 1 | 2 | 77.67466 |

### Exercice 591 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -2 | 0 | 43.70488 |
| 2 | 3 | -1 | 2 | 31.23971 |
| 3 | 1 | 0 | 3 | 39.15379 |
| 4 | 2 | -3 | 1 | 22.00370 |

### Exercice 592 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 1 | 0 | 121.26381 |
| 2 | 3 | 0 | 2 | 85.15253 |
| 3 | 2 | 2 | 1 | 99.79519 |
| 4 | 1 | 3 | 3 | 67.41003 |

### Exercice 593 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 2 | 3 | 43.68299 |
| 2 | 0 | 1 | 1 | 115.39459 |
| 3 | 1 | 0 | 2 | 86.41033 |
| 4 | 2 | 3 | 0 | 67.58001 |

### Exercice 594 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -2 | 2 | 51.824158 |
| 2 | 2 | 0 | 0 | 46.422364 |
| 3 | 1 | -3 | 1 | 43.043602 |
| 4 | 3 | -1 | 3 | 8.793826 |

### Exercice 595 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 0 | 3 | 56.40128 |
| 2 | 0 | 3 | 1 | 78.49039 |
| 3 | 3 | 2 | 2 | 52.99795 |
| 4 | 1 | 1 | 0 | 105.33547 |

### Exercice 596 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -2 | 2 | 49.68281 |
| 2 | 2 | -1 | 3 | 29.44691 |
| 3 | 0 | -3 | 1 | 43.46662 |
| 4 | 3 | 0 | 0 | 29.61590 |

### Exercice 597 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -3 | 0 | 1.632453 |
| 2 | 1 | 0 | 3 | 20.591349 |
| 3 | 3 | -1 | 2 | 8.015347 |
| 4 | 2 | -2 | 1 | 17.023937 |

### Exercice 598 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -3 | -2 | -3 | 68.71248 |
| 2 | -2 | -1 | 0 | 113.78021 |
| 3 | -1 | 0 | -1 | 125.44079 |
| 4 | 0 | -3 | -2 | 94.64245 |

### Exercice 599 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 3 | 0 | 68.25037 |
| 2 | 2 | 2 | 3 | 64.17454 |
| 3 | 3 | 0 | 2 | 77.45604 |
| 4 | 0 | 1 | 1 | 108.37801 |

### Exercice 600 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 0 | 2 | 69.19838 |
| 2 | 3 | 3 | 0 | 28.04451 |
| 3 | 1 | 1 | 3 | 56.31575 |
| 4 | 0 | 2 | 1 | 65.74281 |

### Exercice 601 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 3 | -3 | 76.88336 |
| 2 | -1 | 2 | 0 | 117.84004 |
| 3 | -3 | 1 | -1 | 103.47074 |
| 4 | -2 | 0 | -2 | 112.54919 |

### Exercice 602 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | -3 | 2 | 26.62578 |
| 2 | 1 | -1 | 0 | 83.94186 |
| 3 | 0 | -2 | 1 | 67.30418 |
| 4 | 2 | 0 | 3 | 56.18133 |

### Exercice 603 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 1 | 2 | 85.41090 |
| 2 | 3 | 2 | 0 | 60.19814 |
| 3 | 2 | 3 | 1 | 58.70912 |
| 4 | 0 | 0 | 3 | 63.36490 |

### Exercice 604 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -2 | 0 | 2 | 74.88546 |
| 2 | -1 | 1 | 0 | 101.71118 |
| 3 | -3 | 2 | 1 | 58.95178 |
| 4 | 0 | 3 | 3 | 45.19453 |

### Exercice 605 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -3 | 3 | 74.0334 |
| 2 | 3 | 0 | 2 | 104.9471 |
| 3 | 1 | -1 | 0 | 140.5308 |
| 4 | 2 | -2 | 1 | 112.2429 |

### Exercice 606 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -1 | 2 | 71.61219 |
| 2 | 2 | -2 | 0 | 58.32521 |
| 3 | 1 | 0 | 3 | 43.44432 |
| 4 | 3 | -3 | 1 | 28.38780 |

### Exercice 607 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 2 | 3 | 51.41660 |
| 2 | 2 | 1 | 1 | 83.48201 |
| 3 | 3 | 3 | 0 | 39.36544 |
| 4 | 1 | 0 | 2 | 84.58457 |

### Exercice 608 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 1 | 0 | 48.40657 |
| 2 | 2 | 3 | 1 | 36.09409 |
| 3 | 0 | 2 | 3 | 39.69522 |
| 4 | 1 | 0 | 2 | 75.84565 |

### Exercice 609 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 1 | 3 | 39.28449 |
| 2 | 3 | 0 | 0 | 45.87161 |
| 3 | 2 | 3 | 1 | 34.52977 |
| 4 | 1 | 2 | 2 | 49.74330 |

### Exercice 610 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 2 | 1 | 82.35484 |
| 2 | -1 | 1 | 3 | 59.73783 |
| 3 | -3 | 0 | 2 | 46.94697 |
| 4 | -2 | 3 | 0 | 49.96882 |

### Exercice 611 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 2 | 0 | 35.45557 |
| 2 | 2 | 0 | 2 | 61.88840 |
| 3 | 0 | 3 | 3 | 22.01147 |
| 4 | 1 | 1 | 1 | 80.39791 |

### Exercice 612 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 2 | 2 | 92.68695 |
| 2 | 2 | 0 | 3 | 88.59644 |
| 3 | 3 | 3 | 1 | 63.57722 |
| 4 | 1 | 1 | 0 | 117.10321 |

### Exercice 613 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 0 | 0 | 105.59840 |
| 2 | 3 | -3 | 1 | 57.04144 |
| 3 | 2 | -2 | 3 | 61.49102 |
| 4 | 0 | -1 | 2 | 100.26583 |

### Exercice 614 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -1 | 0 | 81.51188 |
| 2 | 2 | -2 | 3 | 35.32017 |
| 3 | 3 | -3 | 2 | 22.06892 |
| 4 | 0 | 0 | 1 | 86.93148 |

### Exercice 615 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 1 | 0 | 69.12555 |
| 2 | 3 | 3 | 2 | 11.48085 |
| 3 | 1 | 0 | 3 | 35.88529 |
| 4 | 2 | 2 | 1 | 46.92147 |

### Exercice 616 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | -1 | -2 | 18.17907 |
| 2 | 0 | -2 | -3 | 14.60959 |
| 3 | 1 | 0 | 0 | 61.66765 |
| 4 | 2 | -3 | -1 | 19.68728 |

### Exercice 617 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 0 | 0 | 128.14182 |
| 2 | 2 | -3 | 2 | 67.74694 |
| 3 | 3 | -1 | 1 | 89.99465 |
| 4 | 0 | -2 | 3 | 73.89661 |

### Exercice 618 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -1 | 0 | 81.30122 |
| 2 | 3 | -3 | -2 | 15.45343 |
| 3 | 2 | 0 | -1 | 52.68518 |
| 4 | 0 | -2 | -3 | 33.66268 |

### Exercice 619 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 2 | 1 | 33.802881 |
| 2 | 3 | 1 | 2 | 9.737279 |
| 3 | 2 | 3 | 0 | 3.347510 |
| 4 | 0 | 0 | 3 | 23.383885 |

### Exercice 620 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 0 | 0 | 74.10889 |
| 2 | 3 | 1 | 1 | 53.33466 |
| 3 | 0 | 3 | 2 | 38.45306 |
| 4 | 1 | 2 | 3 | 43.80405 |

### Exercice 621 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 0 | 1 | 92.73682 |
| 2 | 0 | 1 | 3 | 69.64239 |
| 3 | 3 | 3 | 2 | 42.94718 |
| 4 | 1 | 2 | 0 | 85.01608 |

### Exercice 622 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 1 | 0 | 100.53521 |
| 2 | 0 | 3 | 3 | 74.90693 |
| 3 | 1 | 2 | 1 | 115.60219 |
| 4 | 2 | 0 | 2 | 112.14406 |

### Exercice 623 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -2 | 3 | 28.99695 |
| 2 | 3 | -1 | 0 | 55.10144 |
| 3 | 0 | 0 | 2 | 61.71741 |
| 4 | 1 | -3 | 1 | 38.87550 |

### Exercice 624 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | -1 | 1 | 37.22012 |
| 2 | 0 | -3 | 2 | 17.51996 |
| 3 | 1 | -2 | 0 | 45.33200 |
| 4 | 2 | 0 | 3 | 31.92471 |

### Exercice 625 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 0 | 3 | 35.47730 |
| 2 | 3 | 2 | 2 | 13.82808 |
| 3 | 2 | 1 | 1 | 47.15716 |
| 4 | 1 | 3 | 0 | 22.88782 |

### Exercice 626 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 3 | 2 | 62.76455 |
| 2 | 1 | 0 | 3 | 87.16899 |
| 3 | 2 | 1 | 0 | 110.21939 |
| 4 | 0 | 2 | 1 | 104.89991 |

### Exercice 627 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 2 | 1 | 58.24688 |
| 2 | 0 | 3 | 0 | 63.17523 |
| 3 | 2 | 1 | 2 | 79.39837 |
| 4 | 1 | 0 | 3 | 74.84569 |

### Exercice 628 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -3 | 1 | 38.51099 |
| 2 | 0 | -2 | 0 | 55.38866 |
| 3 | 3 | 0 | 3 | 33.42464 |
| 4 | 2 | -1 | 2 | 58.27193 |

### Exercice 629 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | -1 | 1 | 9.867129 |
| 2 | 1 | -3 | 2 | 14.780584 |
| 3 | 0 | -2 | 0 | 50.816425 |
| 4 | 2 | 0 | 3 | 1.644495 |

### Exercice 630 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 1 | 0 | 100.23946 |
| 2 | 0 | 2 | 1 | 94.42268 |
| 3 | 1 | 3 | 3 | 59.36245 |
| 4 | 3 | 0 | 2 | 82.52889 |

### Exercice 631 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 0 | 2 | 77.71077 |
| 2 | 3 | 3 | 3 | 26.63887 |
| 3 | 0 | 2 | 1 | 92.25311 |
| 4 | 2 | 1 | 0 | 79.28115 |

### Exercice 632 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | 0 | -1 | 133.82599 |
| 2 | -2 | 2 | 0 | 102.70157 |
| 3 | 0 | 3 | -3 | 70.31281 |
| 4 | -3 | 1 | -2 | 89.10868 |

### Exercice 633 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 0 | 2 | 114.51564 |
| 2 | -2 | 1 | 0 | 119.49513 |
| 3 | -1 | 3 | 1 | 107.98480 |
| 4 | -3 | 2 | 3 | 71.19532 |

### Exercice 634 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -2 | 3 | 2 | 30.28543 |
| 2 | 0 | 0 | 3 | 44.82073 |
| 3 | -3 | 1 | 1 | 39.84695 |
| 4 | -1 | 2 | 0 | 63.19097 |

### Exercice 635 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 2 | 1 | 78.72687 |
| 2 | 3 | 3 | 0 | 41.02858 |
| 3 | 1 | 0 | 3 | 72.65913 |
| 4 | 2 | 1 | 2 | 78.07803 |

### Exercice 636 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -3 | 1 | 2 | 54.85398 |
| 2 | -2 | 2 | 0 | 70.72544 |
| 3 | -1 | 0 | 3 | 61.42354 |
| 4 | 0 | 3 | 1 | 61.25258 |

### Exercice 637 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 0 | 2 | 42.18049 |
| 2 | 1 | 1 | 3 | 31.10945 |
| 3 | 0 | 2 | 0 | 48.77341 |
| 4 | 3 | 3 | 1 | 12.62999 |

### Exercice 638 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | -3 | -1 | 90.51156 |
| 2 | 0 | -1 | 0 | 128.17874 |
| 3 | -2 | -2 | -2 | 85.41090 |
| 4 | -3 | 0 | -3 | 59.22368 |

### Exercice 639 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -2 | 1 | 0 | 63.81192 |
| 2 | -3 | 3 | 2 | 19.33425 |
| 3 | -1 | 2 | 3 | 36.65636 |
| 4 | 0 | 0 | 1 | 75.39530 |

### Exercice 640 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 0 | 3 | 43.10979 |
| 2 | 3 | -3 | 1 | 24.54417 |
| 3 | 1 | -2 | 0 | 71.19144 |
| 4 | 2 | -1 | 2 | 48.08220 |

### Exercice 641 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 2 | 2 | 114.69893 |
| 2 | 2 | 1 | 0 | 130.01230 |
| 3 | 1 | 0 | 1 | 155.65373 |
| 4 | 3 | 3 | 3 | 73.50656 |

### Exercice 642 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -3 | 0 | 45.28275 |
| 2 | 0 | -1 | -3 | 45.80020 |
| 3 | 1 | -2 | -1 | 71.01857 |
| 4 | 3 | 0 | -2 | 41.96279 |

### Exercice 643 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -3 | 0 | 1 | 26.09083 |
| 2 | -2 | 2 | 3 | 17.71190 |
| 3 | -1 | 3 | 0 | 32.05137 |
| 4 | 0 | 1 | 2 | 54.72138 |

### Exercice 644 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | 1 | 1 | 93.06873 |
| 2 | 0 | 3 | 2 | 52.94665 |
| 3 | -3 | 0 | 0 | 50.28954 |
| 4 | -2 | 2 | 3 | 43.02974 |

### Exercice 645 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 1 | 2 | 51.24383 |
| 2 | 3 | 0 | 1 | 43.56007 |
| 3 | 1 | 3 | 3 | 19.26800 |
| 4 | 0 | 2 | 0 | 57.83046 |

### Exercice 646 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -3 | 0 | 72.56757 |
| 2 | 3 | -1 | -3 | 56.12388 |
| 3 | 1 | 0 | -1 | 111.02351 |
| 4 | 0 | -2 | -2 | 83.77522 |

### Exercice 647 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | -2 | 2 | 49.49760 |
| 2 | 2 | -3 | 3 | 41.51533 |
| 3 | 0 | -1 | 1 | 110.39943 |
| 4 | 1 | 0 | 0 | 94.00963 |

### Exercice 648 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | -2 | 3 | 78.96763 |
| 2 | 1 | 0 | 2 | 125.83108 |
| 3 | 0 | -1 | 1 | 129.84583 |
| 4 | 2 | -3 | 0 | 95.41668 |

### Exercice 649 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 0 | -1 | 56.912271 |
| 2 | -1 | 3 | -2 | 13.406096 |
| 3 | -3 | 1 | -3 | 4.817138 |
| 4 | -2 | 2 | 0 | 31.857841 |

### Exercice 650 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -3 | 1 | 1 | 37.10637 |
| 2 | -1 | 0 | 0 | 71.86121 |
| 3 | 0 | 3 | 2 | 40.32942 |
| 4 | -2 | 2 | 3 | 24.83357 |

### Exercice 651 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | 2 | 0 | 59.61491 |
| 2 | 0 | 3 | -1 | 37.91241 |
| 3 | -3 | 1 | -3 | 24.00628 |
| 4 | -2 | 0 | -2 | 54.32406 |

### Exercice 652 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -3 | 0 | 71.66491 |
| 2 | 2 | -2 | 2 | 61.59847 |
| 3 | 0 | -1 | 1 | 106.99783 |
| 4 | 3 | 0 | 3 | 33.78837 |

### Exercice 653 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 0 | 2 | 102.55075 |
| 2 | -1 | 3 | 3 | 70.33365 |
| 3 | -3 | 1 | 0 | 86.37799 |
| 4 | -2 | 2 | 1 | 98.73055 |

### Exercice 654 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 0 | 0 | 41.72170 |
| 2 | 0 | 2 | 3 | 28.41489 |
| 3 | 2 | 1 | 2 | 49.73625 |
| 4 | 1 | 3 | 1 | 34.41657 |

### Exercice 655 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 0 | 0 | 144.13795 |
| 2 | 2 | 3 | 3 | 82.56838 |
| 3 | 1 | 2 | 1 | 124.52376 |
| 4 | 3 | 1 | 2 | 105.93091 |

### Exercice 656 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 3 | 3 | 72.97912 |
| 2 | 1 | 2 | 2 | 116.71913 |
| 3 | 2 | 1 | 0 | 127.88377 |
| 4 | 0 | 0 | 1 | 149.91603 |

### Exercice 657 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 2 | 3 | 92.88852 |
| 2 | 1 | 1 | 1 | 135.45488 |
| 3 | 2 | 0 | 0 | 125.27849 |
| 4 | 3 | 3 | 2 | 73.23930 |

### Exercice 658 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -2 | 0 | 0 | 79.77596 |
| 2 | 0 | 3 | -3 | 33.05760 |
| 3 | -3 | 1 | -2 | 51.85347 |
| 4 | -1 | 2 | -1 | 74.72949 |

### Exercice 659 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 3 | 2 | 17.09158 |
| 2 | 1 | 2 | 0 | 46.05478 |
| 3 | 3 | 0 | 3 | 15.44374 |
| 4 | 0 | 1 | 1 | 69.88752 |

### Exercice 660 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 3 | 0 | 60.56432 |
| 2 | 2 | 2 | 1 | 72.04335 |
| 3 | 3 | 1 | 2 | 59.09921 |
| 4 | 1 | 0 | 3 | 72.23478 |

### Exercice 661 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 3 | 0 | 76.02212 |
| 2 | 0 | 2 | 1 | 95.68236 |
| 3 | 3 | 1 | 3 | 66.78954 |
| 4 | 2 | 0 | 2 | 98.98549 |

### Exercice 662 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | -2 | -2 | 1.213043 |
| 2 | 2 | -3 | -1 | 14.312433 |
| 3 | 1 | -1 | 0 | 57.842979 |
| 4 | 0 | 0 | -3 | 11.220795 |

### Exercice 663 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 0 | 0 | 44.74915 |
| 2 | 2 | 2 | 2 | 43.07747 |
| 3 | 0 | 3 | 1 | 39.66583 |
| 4 | 1 | 1 | 3 | 41.40017 |

### Exercice 664 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 0 | 0 | 169.32413 |
| 2 | 0 | -2 | 2 | 116.79529 |
| 3 | 2 | -3 | 3 | 87.53335 |
| 4 | 3 | -1 | 1 | 125.34146 |

### Exercice 665 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -3 | 0 | 7.218555 |
| 2 | 0 | -2 | 1 | 30.632182 |
| 3 | 3 | 0 | 2 | 20.697444 |
| 4 | 1 | -1 | 3 | 21.219145 |

### Exercice 666 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -3 | 2 | 3 | 69.01181 |
| 2 | -2 | 3 | 2 | 82.50477 |
| 3 | -1 | 0 | 0 | 125.11330 |
| 4 | 0 | 1 | 1 | 137.32939 |

### Exercice 667 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 1 | 2 | 67.67630 |
| 2 | 0 | 3 | 3 | 48.08063 |
| 3 | 2 | 0 | 1 | 98.05473 |
| 4 | 1 | 2 | 0 | 83.71383 |

### Exercice 668 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -2 | 1 | 0 | 83.39520 |
| 2 | -3 | 0 | 1 | 57.01949 |
| 3 | -1 | 2 | 2 | 74.59363 |
| 4 | 0 | 3 | 3 | 47.82758 |

### Exercice 669 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | 0 | -2 | 51.07305 |
| 2 | 0 | -3 | -3 | 20.08122 |
| 3 | -3 | -1 | -1 | 32.56355 |
| 4 | -2 | -2 | 0 | 46.42947 |

### Exercice 670 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 3 | 3 | 64.33082 |
| 2 | 0 | 2 | 1 | 114.97527 |
| 3 | 1 | 0 | 0 | 138.90859 |
| 4 | 2 | 1 | 2 | 112.13701 |

### Exercice 671 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 2 | 0 | 59.41532 |
| 2 | 2 | 3 | 3 | 22.20176 |
| 3 | 1 | 1 | 1 | 83.90504 |
| 4 | 3 | 0 | 2 | 50.02177 |

### Exercice 672 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 0 | 1 | 28.04394 |
| 2 | 1 | -2 | 3 | 31.68140 |
| 3 | 2 | -3 | 0 | 34.56140 |
| 4 | 0 | -1 | 2 | 60.76938 |

### Exercice 673 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 3 | 2 | 28.82310 |
| 2 | 1 | 2 | 1 | 58.38421 |
| 3 | 3 | 0 | 3 | 19.63655 |
| 4 | 2 | 1 | 0 | 61.11014 |

### Exercice 674 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 3 | 1 | 13.06532 |
| 2 | 0 | 1 | 2 | 42.74398 |
| 3 | 3 | 2 | 0 | 15.82916 |
| 4 | 1 | 0 | 3 | 29.56084 |

### Exercice 675 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 0 | 2 | 65.63176 |
| 2 | 1 | -2 | 1 | 79.29252 |
| 3 | 0 | -3 | 0 | 55.54355 |
| 4 | 2 | -1 | 3 | 63.07880 |

### Exercice 676 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -2 | 2 | 2 | 25.474548 |
| 2 | 0 | 1 | 3 | 24.009334 |
| 3 | -1 | 0 | 0 | 58.567944 |
| 4 | -3 | 3 | 1 | 4.501606 |

### Exercice 677 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -3 | -3 | 52.83833 |
| 2 | 0 | -2 | -1 | 93.21529 |
| 3 | 3 | -1 | -2 | 67.41753 |
| 4 | 2 | 0 | 0 | 95.78824 |

### Exercice 678 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -3 | 0 | 1 | 66.84817 |
| 2 | -2 | 2 | 0 | 78.67564 |
| 3 | -1 | 1 | 2 | 93.10993 |
| 4 | 0 | 3 | 3 | 55.29049 |

### Exercice 679 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 2 | 0 | 43.59802 |
| 2 | 0 | 0 | 1 | 79.62780 |
| 3 | 3 | 1 | 3 | 23.38216 |
| 4 | 1 | 3 | 2 | 27.86572 |

### Exercice 680 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 3 | 3 | 65.75678 |
| 2 | 0 | 0 | 2 | 113.45203 |
| 3 | 3 | 2 | 1 | 79.92455 |
| 4 | 2 | 1 | 0 | 106.46347 |

### Exercice 681 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | -3 | 0 | 105.22771 |
| 2 | -3 | -1 | -3 | 75.45778 |
| 3 | -2 | 0 | -1 | 112.47545 |
| 4 | 0 | -2 | -2 | 112.96734 |

### Exercice 682 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | -2 | 2 | 19.14224 |
| 2 | 0 | -1 | 0 | 87.32282 |
| 3 | 1 | -3 | 3 | 20.59894 |
| 4 | 2 | 0 | 1 | 46.46300 |

### Exercice 683 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 0 | 1 | 17.17906 |
| 2 | 1 | -2 | 3 | 19.75952 |
| 3 | 0 | -1 | 0 | 63.34539 |
| 4 | 2 | -3 | 2 | 11.11235 |

### Exercice 684 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 0 | 0 | 99.30784 |
| 2 | 1 | -1 | -2 | 95.84804 |
| 3 | 0 | -2 | -3 | 67.36765 |
| 4 | 3 | -3 | -1 | 59.81720 |

### Exercice 685 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 0 | 1 | 71.00502 |
| 2 | 1 | -3 | 0 | 35.74279 |
| 3 | 3 | -1 | 3 | 10.93486 |
| 4 | 2 | -2 | 2 | 33.92379 |

### Exercice 686 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -3 | -1 | 43.33174 |
| 2 | -2 | -2 | -2 | 36.32796 |
| 3 | -1 | -1 | -3 | 34.86997 |
| 4 | -3 | 0 | 0 | 30.10551 |

### Exercice 687 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | -1 | 0 | 25.50994 |
| 2 | 1 | 0 | 3 | 31.81918 |
| 3 | 0 | -2 | 2 | 47.10542 |
| 4 | 2 | -3 | 1 | 24.78723 |

### Exercice 688 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -1 | 2 | 42.08950 |
| 2 | 0 | 0 | 0 | 68.86199 |
| 3 | 1 | -2 | 3 | 30.88970 |
| 4 | 3 | -3 | 1 | 13.21872 |

### Exercice 689 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -2 | 0 | 86.15965 |
| 2 | 2 | 0 | -1 | 65.75786 |
| 3 | 3 | -3 | -3 | 16.78687 |
| 4 | 1 | -1 | -2 | 69.63792 |

### Exercice 690 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -3 | 2 | 106.35576 |
| 2 | 2 | -1 | 0 | 123.52166 |
| 3 | 3 | 0 | 3 | 79.21511 |
| 4 | 0 | -2 | 1 | 139.75377 |

### Exercice 691 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 1 | 2 | 61.34944 |
| 2 | 0 | 3 | 1 | 65.19783 |
| 3 | 1 | 0 | 3 | 52.35748 |
| 4 | 3 | 2 | 0 | 46.84936 |

### Exercice 692 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | -1 | 0 | 92.13360 |
| 2 | -2 | -3 | -3 | 30.58172 |
| 3 | -3 | 0 | -2 | 41.68516 |
| 4 | 0 | -2 | -1 | 82.34078 |

### Exercice 693 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 3 | 2 | 13.315838 |
| 2 | 0 | 0 | 1 | 70.499086 |
| 3 | 3 | 2 | 3 | 6.043081 |
| 4 | 1 | 1 | 0 | 60.529180 |

### Exercice 694 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -2 | 0 | 97.98871 |
| 2 | 3 | -1 | -3 | 54.24697 |
| 3 | 0 | -3 | -2 | 66.48226 |
| 4 | 2 | 0 | -1 | 95.20339 |

### Exercice 695 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -2 | 3 | 0 | 15.00039 |
| 2 | 0 | 1 | 3 | 22.12002 |
| 3 | -1 | 2 | 2 | 32.16926 |
| 4 | -3 | 0 | 1 | 22.48369 |

### Exercice 696 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -3 | 1 | 55.48468 |
| 2 | 3 | -2 | 3 | 13.80132 |
| 3 | 2 | -1 | 0 | 58.77855 |
| 4 | 1 | 0 | 2 | 56.18599 |

### Exercice 697 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -1 | -2 | 81.01400 |
| 2 | 3 | 0 | -1 | 66.00336 |
| 3 | 2 | -2 | -3 | 50.16236 |
| 4 | 1 | -3 | 0 | 67.38256 |

### Exercice 698 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 0 | -3 | 61.99117 |
| 2 | 3 | -1 | 0 | 76.19669 |
| 3 | 1 | -2 | -1 | 102.16062 |
| 4 | 0 | -3 | -2 | 75.71051 |

### Exercice 699 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 0 | 1 | 79.70432 |
| 2 | 3 | -2 | 0 | 34.70587 |
| 3 | 1 | -3 | 2 | 29.06416 |
| 4 | 2 | -1 | 3 | 38.10855 |

### Exercice 700 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 2 | 3 | 52.84482 |
| 2 | 2 | 1 | 1 | 82.86091 |
| 3 | 3 | 0 | 2 | 57.30619 |
| 4 | 1 | 3 | 0 | 57.02739 |

### Exercice 701 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | -2 | -1 | 69.80696 |
| 2 | 0 | -1 | 0 | 125.87336 |
| 3 | 2 | 0 | -2 | 77.92884 |
| 4 | 1 | -3 | -3 | 58.75738 |

### Exercice 702 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 3 | 2 | 59.24356 |
| 2 | 2 | 0 | 0 | 106.68970 |
| 3 | 0 | 1 | 3 | 81.99008 |
| 4 | 1 | 2 | 1 | 103.97247 |

### Exercice 703 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -2 | 3 | 48.23069 |
| 2 | 0 | -3 | 2 | 60.27658 |
| 3 | 1 | -1 | 1 | 97.35869 |
| 4 | 3 | 0 | 0 | 53.70679 |

### Exercice 704 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 3 | 1 | 35.63377 |
| 2 | 1 | 2 | 0 | 60.17827 |
| 3 | 0 | 1 | 2 | 65.31244 |
| 4 | 3 | 0 | 3 | 32.83125 |

### Exercice 705 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -3 | 1 | 71.12963 |
| 2 | 2 | -2 | 3 | 66.13618 |
| 3 | 3 | 0 | 2 | 81.15202 |
| 4 | 1 | -1 | 0 | 112.32789 |

### Exercice 706 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | -3 | 2 | 23.38407 |
| 2 | 0 | -2 | 3 | 43.80607 |
| 3 | 1 | 0 | 1 | 99.25579 |
| 4 | 2 | -1 | 0 | 68.95757 |

### Exercice 707 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -2 | -2 | 139.18972 |
| 2 | 3 | -3 | -3 | 92.26522 |
| 3 | 2 | -1 | 0 | 149.05660 |
| 4 | 0 | 0 | -1 | 159.29807 |

### Exercice 708 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | -1 | 2 | 53.88779 |
| 2 | 1 | 0 | 3 | 63.04045 |
| 3 | 2 | -3 | 0 | 65.00034 |
| 4 | 0 | -2 | 1 | 99.76560 |

### Exercice 709 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 2 | 2 | 51.87206 |
| 2 | 2 | 1 | 1 | 66.03532 |
| 3 | 3 | 0 | 0 | 48.26456 |
| 4 | 0 | 3 | 3 | 21.39089 |

### Exercice 710 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -3 | 2 | 0 | 46.65675 |
| 2 | -1 | 0 | 3 | 57.35093 |
| 3 | 0 | 1 | 1 | 99.04325 |
| 4 | -2 | 3 | 2 | 44.21863 |

### Exercice 711 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 0 | 1 | 128.88536 |
| 2 | 2 | -1 | 0 | 111.97938 |
| 3 | 0 | -2 | 2 | 113.28258 |
| 4 | 3 | -3 | 3 | 61.53074 |

### Exercice 712 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 3 | 2 | 18.38177 |
| 2 | 0 | 1 | 3 | 30.04367 |
| 3 | 3 | 2 | 1 | 26.91048 |
| 4 | 1 | 0 | 0 | 69.81406 |

### Exercice 713 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 2 | 0 | 88.56983 |
| 2 | 3 | 0 | 3 | 36.94577 |
| 3 | 2 | 1 | 2 | 68.99310 |
| 4 | 0 | 3 | 1 | 72.84149 |

### Exercice 714 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 0 | 0 | 35.48140 |
| 2 | 1 | 2 | 1 | 46.79625 |
| 3 | 0 | 3 | 3 | 8.60773 |
| 4 | 2 | 1 | 2 | 44.38023 |

### Exercice 715 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 0 | 0 | 123.25603 |
| 2 | 1 | 2 | 3 | 81.62998 |
| 3 | 2 | 3 | 2 | 71.94815 |
| 4 | 3 | 1 | 1 | 91.16059 |

### Exercice 716 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 2 | 3 | 40.99984 |
| 2 | 0 | 3 | 2 | 52.08427 |
| 3 | 2 | 1 | 1 | 87.37142 |
| 4 | 1 | 0 | 0 | 104.84594 |

### Exercice 717 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -3 | 0 | 53.35658 |
| 2 | 3 | -2 | 3 | 39.25616 |
| 3 | 2 | -1 | 1 | 84.02800 |
| 4 | 1 | 0 | 2 | 93.06465 |

### Exercice 718 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 1 | 0 | 95.57138 |
| 2 | 0 | 0 | 2 | 104.32843 |
| 3 | 3 | 3 | 3 | 40.66659 |
| 4 | 1 | 2 | 1 | 91.38295 |

### Exercice 719 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | 3 | -2 | 6.887451 |
| 2 | 0 | 1 | 0 | 47.108409 |
| 3 | -3 | 2 | -1 | 10.545441 |
| 4 | -2 | 0 | -3 | 11.204398 |

### Exercice 720 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -3 | 0 | -1 | 54.91926 |
| 2 | -1 | 1 | -2 | 71.15209 |
| 3 | -2 | 3 | -3 | 24.31522 |
| 4 | 0 | 2 | 0 | 65.66702 |

### Exercice 721 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 1 | 2 | 74.01654 |
| 2 | -1 | 2 | 0 | 74.16847 |
| 3 | -2 | 3 | 3 | 29.09548 |
| 4 | -3 | 0 | 1 | 54.55191 |

### Exercice 722 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -2 | 0 | 55.13327 |
| 2 | 3 | 0 | 3 | 29.51071 |
| 3 | 2 | -1 | 1 | 65.07630 |
| 4 | 0 | -3 | 2 | 27.32124 |

### Exercice 723 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -3 | 0 | 1 | 27.70894 |
| 2 | -2 | 2 | 0 | 36.78064 |
| 3 | 0 | 3 | 2 | 20.02357 |
| 4 | -1 | 1 | 3 | 28.08232 |

### Exercice 724 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -1 | 3 | 25.85059 |
| 2 | 1 | -2 | 2 | 35.06643 |
| 3 | 3 | 0 | 1 | 44.21850 |
| 4 | 2 | -3 | 0 | 23.41769 |

### Exercice 725 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -2 | 0 | 65.44923 |
| 2 | 0 | 0 | -3 | 48.00119 |
| 3 | 1 | -3 | -1 | 54.36273 |
| 4 | 3 | -1 | -2 | 46.14115 |

### Exercice 726 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -2 | 3 | 62.05430 |
| 2 | 3 | 0 | 1 | 87.06170 |
| 3 | 0 | -1 | 0 | 103.79085 |
| 4 | 2 | -3 | 2 | 57.23563 |

### Exercice 727 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | 3 | 0 | 50.64934 |
| 2 | -2 | 0 | 1 | 70.79497 |
| 3 | 0 | 1 | 2 | 70.40051 |
| 4 | -3 | 2 | 3 | 25.57047 |

### Exercice 728 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -2 | 2 | 39.88590 |
| 2 | 0 | -3 | 1 | 31.43412 |
| 3 | 3 | -1 | 0 | 44.31191 |
| 4 | 1 | 0 | 3 | 45.81563 |

### Exercice 729 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 3 | 3 | 38.15166 |
| 2 | 0 | 2 | 1 | 83.87230 |
| 3 | 2 | 0 | 2 | 56.85461 |
| 4 | 3 | 1 | 0 | 50.07829 |

### Exercice 730 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 2 | 2 | 43.72447 |
| 2 | 0 | 3 | 1 | 29.32397 |
| 3 | 2 | 0 | 0 | 59.72480 |
| 4 | 3 | 1 | 3 | 20.67573 |

### Exercice 731 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | -2 | 3 | 21.76580 |
| 2 | 2 | -3 | 1 | 47.13488 |
| 3 | 1 | -1 | 2 | 68.72733 |
| 4 | 0 | 0 | 0 | 88.20923 |

### Exercice 732 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | -2 | 0 | 50.24068 |
| 2 | -3 | 0 | -1 | 19.34814 |
| 3 | 0 | -1 | -3 | 26.11308 |
| 4 | -2 | -3 | -2 | 13.57269 |

### Exercice 733 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -3 | 0 | -3 | 61.84495 |
| 2 | -2 | 3 | 0 | 70.61711 |
| 3 | 0 | 1 | -2 | 96.65612 |
| 4 | -1 | 2 | -1 | 97.53761 |

### Exercice 734 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -2 | 0 | 89.93099 |
| 2 | 1 | -1 | 1 | 114.22065 |
| 3 | 3 | -3 | 2 | 52.75369 |
| 4 | 2 | 0 | 3 | 79.48531 |

### Exercice 735 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -2 | 1 | 27.731115 |
| 2 | 0 | 0 | 2 | 42.141366 |
| 3 | 1 | -3 | 3 | 3.538607 |
| 4 | 3 | -1 | 0 | 13.786019 |

### Exercice 736 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 1 | 1 | 34.16189 |
| 2 | 0 | 2 | 2 | 39.09997 |
| 3 | 2 | 0 | 3 | 28.29390 |
| 4 | 1 | 3 | 0 | 28.04599 |

### Exercice 737 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 3 | 1 | 33.28813 |
| 2 | 2 | 1 | 2 | 65.97115 |
| 3 | 0 | 2 | 0 | 67.51953 |
| 4 | 1 | 0 | 3 | 57.09193 |

### Exercice 738 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -2 | 3 | -1 | 33.54161 |
| 2 | -3 | 2 | -2 | 29.22360 |
| 3 | -1 | 0 | -3 | 42.86109 |
| 4 | 0 | 1 | 0 | 72.53454 |

### Exercice 739 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -2 | -1 | -2 | 55.11492 |
| 2 | 0 | -2 | -3 | 44.35316 |
| 3 | -3 | 0 | -1 | 42.81193 |
| 4 | -1 | -3 | 0 | 54.86507 |

### Exercice 740 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 1 | 2 | 61.01305 |
| 2 | 3 | 0 | 3 | 36.09661 |
| 3 | 1 | 3 | 1 | 41.25785 |
| 4 | 0 | 2 | 0 | 58.08877 |

### Exercice 741 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -3 | 0 | 21.436316 |
| 2 | 0 | 0 | -3 | 5.732688 |
| 3 | 2 | -2 | -2 | 11.143963 |
| 4 | 3 | -1 | -1 | 8.321303 |

### Exercice 742 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 0 | 1 | 85.08054 |
| 2 | 1 | -2 | 3 | 46.21567 |
| 3 | 3 | -3 | 2 | 28.28756 |
| 4 | 0 | -1 | 0 | 82.75009 |

### Exercice 743 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | -1 | 1 | 53.89470 |
| 2 | 1 | -2 | 0 | 87.07176 |
| 3 | 2 | 0 | 3 | 45.67207 |
| 4 | 0 | -3 | 2 | 62.52464 |

### Exercice 744 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -3 | 2 | 1 | 69.15042 |
| 2 | -1 | 1 | 0 | 111.96996 |
| 3 | 0 | 0 | 3 | 80.20881 |
| 4 | -2 | 3 | 2 | 65.67351 |

### Exercice 745 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 2 | 0 | 22.22434 |
| 2 | 0 | 1 | 3 | 40.11386 |
| 3 | 1 | 3 | 2 | 26.43832 |
| 4 | 2 | 0 | 1 | 55.27381 |

### Exercice 746 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -1 | 3 | 57.18621 |
| 2 | 2 | -2 | 2 | 62.11039 |
| 3 | 1 | -3 | 0 | 58.54234 |
| 4 | 3 | 0 | 1 | 75.55413 |

### Exercice 747 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -2 | 0 | -1 | 48.31408 |
| 2 | -1 | -2 | -2 | 46.63053 |
| 3 | -3 | -1 | -3 | 11.29642 |
| 4 | 0 | -3 | 0 | 42.98567 |

### Exercice 748 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | 3 | 2 | 46.13359 |
| 2 | -3 | 2 | 0 | 45.80563 |
| 3 | -2 | 1 | 1 | 74.00250 |
| 4 | 0 | 0 | 3 | 52.21196 |

### Exercice 749 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 1 | 1 | 68.46568 |
| 2 | 3 | 2 | 0 | 26.82702 |
| 3 | 1 | 3 | 3 | 14.32204 |
| 4 | 2 | 0 | 2 | 53.25985 |

### Exercice 750 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 1 | 2 | 107.74329 |
| 2 | 3 | 2 | 0 | 77.08114 |
| 3 | 1 | 3 | 3 | 64.56258 |
| 4 | 2 | 0 | 1 | 115.14303 |

### Exercice 751 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 0 | 0 | 72.65149 |
| 2 | 0 | -1 | 3 | 37.69965 |
| 3 | 3 | -3 | 1 | 9.85018 |
| 4 | 2 | -2 | 2 | 33.56607 |

### Exercice 752 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 3 | 3 | 49.77372 |
| 2 | 2 | 1 | 1 | 93.72919 |
| 3 | 0 | 0 | 2 | 99.40779 |
| 4 | 3 | 2 | 0 | 62.29228 |

### Exercice 753 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 2 | 3 | 42.75003 |
| 2 | 2 | 3 | 2 | 52.24924 |
| 3 | 0 | 1 | 0 | 97.35901 |
| 4 | 1 | 0 | 1 | 108.42780 |

### Exercice 754 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -2 | 3 | 1 | 83.20758 |
| 2 | -1 | 1 | 2 | 102.13503 |
| 3 | -3 | 0 | 3 | 57.49148 |
| 4 | 0 | 2 | 0 | 119.63131 |

### Exercice 755 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 1 | -2 | 105.07443 |
| 2 | -3 | 3 | -3 | 51.76076 |
| 3 | -1 | 0 | -1 | 127.79721 |
| 4 | -2 | 2 | 0 | 96.67279 |

### Exercice 756 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -3 | 1 | 3 | 31.49154 |
| 2 | -2 | 2 | 1 | 61.16202 |
| 3 | -1 | 0 | 2 | 71.01160 |
| 4 | 0 | 3 | 0 | 50.32071 |

### Exercice 757 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 0 | 2 | 69.72723 |
| 2 | 0 | -2 | 3 | 31.89457 |
| 3 | 3 | -1 | 1 | 47.99260 |
| 4 | 2 | -3 | 0 | 30.75377 |

### Exercice 758 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 0 | -3 | 60.44070 |
| 2 | 3 | -1 | 0 | 65.12167 |
| 3 | 2 | -2 | -1 | 77.03025 |
| 4 | 1 | -3 | -2 | 63.04418 |

### Exercice 759 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 3 | 2 | 38.04921 |
| 2 | -3 | 0 | 1 | 36.51123 |
| 3 | -1 | 1 | 3 | 43.09024 |
| 4 | -2 | 2 | 0 | 48.33870 |

### Exercice 760 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -1 | -2 | 77.88866 |
| 2 | 2 | 0 | -3 | 46.47792 |
| 3 | 0 | -3 | -1 | 71.08795 |
| 4 | 3 | -2 | 0 | 56.37672 |

### Exercice 761 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 2 | 0 | 90.84015 |
| 2 | 3 | 1 | 2 | 53.66818 |
| 3 | 2 | 0 | 3 | 53.02269 |
| 4 | 0 | 3 | 1 | 75.11180 |

### Exercice 762 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 2 | 0 | 64.08644 |
| 2 | -3 | 1 | 2 | 38.81416 |
| 3 | -1 | 3 | 3 | 25.57447 |
| 4 | -2 | 0 | 1 | 65.47299 |

### Exercice 763 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 2 | 3 | 36.17066 |
| 2 | 1 | 3 | 0 | 42.70084 |
| 3 | 0 | 0 | 2 | 75.36768 |
| 4 | 3 | 1 | 1 | 46.82547 |

### Exercice 764 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 0 | 2 | 55.02929 |
| 2 | 1 | -3 | 0 | 69.76924 |
| 3 | 0 | -2 | 3 | 65.80527 |
| 4 | 2 | -1 | 1 | 83.52783 |

### Exercice 765 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -3 | 0 | -2 | 52.76006 |
| 2 | 0 | 3 | -1 | 52.44077 |
| 3 | -2 | 1 | -3 | 50.68004 |
| 4 | -1 | 2 | 0 | 74.14327 |

### Exercice 766 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 1 | 3 | 31.88957 |
| 2 | 3 | 3 | 1 | 19.66768 |
| 3 | 1 | 0 | 2 | 58.51732 |
| 4 | 0 | 2 | 0 | 55.81110 |

### Exercice 767 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 3 | 2 | 41.98735 |
| 2 | 1 | 1 | 1 | 90.13773 |
| 3 | 3 | 0 | 3 | 34.60262 |
| 4 | 2 | 2 | 0 | 63.09451 |

### Exercice 768 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 2 | 3 | 14.07235 |
| 2 | 0 | 3 | 1 | 15.96791 |
| 3 | 3 | 1 | 0 | 14.59470 |
| 4 | 2 | 0 | 2 | 31.32301 |

### Exercice 769 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -1 | -2 | 43.685362 |
| 2 | 2 | 0 | -3 | 12.274616 |
| 3 | 0 | -2 | 0 | 60.207087 |
| 4 | 3 | -3 | -1 | 9.951206 |

### Exercice 770 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 3 | 1 | 65.32588 |
| 2 | 3 | 0 | 3 | 61.27007 |
| 3 | 2 | 2 | 2 | 73.03544 |
| 4 | 1 | 1 | 0 | 103.14778 |

### Exercice 771 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 2 | 2 | 77.61770 |
| 2 | 3 | 3 | 0 | 48.34191 |
| 3 | 0 | 0 | 1 | 105.69604 |
| 4 | 2 | 1 | 3 | 64.98946 |

### Exercice 772 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -3 | 3 | 42.68440 |
| 2 | 2 | 0 | 0 | 96.59283 |
| 3 | 1 | -2 | 1 | 82.73069 |
| 4 | 3 | -1 | 2 | 66.20815 |

### Exercice 773 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 2 | 1 | 57.32701 |
| 2 | 1 | 1 | 3 | 39.60111 |
| 3 | 3 | 3 | 2 | 15.19165 |
| 4 | 2 | 0 | 0 | 62.63779 |

### Exercice 774 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -2 | 0 | 1 | 94.83005 |
| 2 | -3 | 3 | 3 | 46.43124 |
| 3 | 0 | 2 | 2 | 96.40577 |
| 4 | -1 | 1 | 0 | 123.38576 |

### Exercice 775 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -3 | 1 | 50.16864 |
| 2 | 1 | -2 | 0 | 77.40833 |
| 3 | 0 | 0 | 3 | 59.65706 |
| 4 | 3 | -1 | 2 | 45.94769 |

### Exercice 776 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 3 | 2 | 83.77137 |
| 2 | 3 | 2 | 3 | 55.63834 |
| 3 | 2 | 1 | 1 | 99.44827 |
| 4 | 1 | 0 | 0 | 112.68955 |

### Exercice 777 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 2 | 1 | 90.65395 |
| 2 | 2 | 1 | 2 | 86.29247 |
| 3 | 3 | 3 | 3 | 38.82856 |
| 4 | 1 | 0 | 0 | 111.32093 |

### Exercice 778 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -2 | 2 | 54.53909 |
| 2 | 3 | 0 | 0 | 34.47217 |
| 3 | 0 | -1 | 3 | 46.92100 |
| 4 | 2 | -3 | 1 | 35.41904 |

### Exercice 779 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | -3 | -1 | 21.577415 |
| 2 | -3 | -2 | 0 | 7.922434 |
| 3 | -2 | 0 | -2 | 19.190102 |
| 4 | 0 | -1 | -3 | 16.692767 |

### Exercice 780 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -1 | 2 | 36.416076 |
| 2 | 2 | -2 | 3 | 5.581504 |
| 3 | 3 | 0 | 0 | 27.473912 |
| 4 | 1 | -3 | 1 | 12.646956 |

### Exercice 781 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 1 | 0 | 46.52552 |
| 2 | 0 | 2 | 3 | 37.81417 |
| 3 | 1 | 3 | 2 | 34.71637 |
| 4 | 2 | 0 | 1 | 72.77449 |

### Exercice 782 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 3 | 1 | 33.24112 |
| 2 | 0 | 1 | 0 | 84.95581 |
| 3 | 1 | 2 | 2 | 60.73426 |
| 4 | 2 | 0 | 3 | 45.45850 |

### Exercice 783 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 0 | 2 | 86.70416 |
| 2 | 3 | 3 | 0 | 37.17139 |
| 3 | 2 | 2 | 3 | 47.09058 |
| 4 | 0 | 1 | 1 | 91.18972 |

### Exercice 784 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 2 | 1 | 79.13290 |
| 2 | -3 | 0 | 0 | 44.92918 |
| 3 | -1 | 1 | 2 | 66.32154 |
| 4 | -2 | 3 | 3 | 24.91398 |

### Exercice 785 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | 2 | -2 | 34.104476 |
| 2 | 0 | 3 | -3 | 2.842024 |
| 3 | -2 | 0 | -1 | 50.413115 |
| 4 | -3 | 1 | 0 | 28.923724 |

### Exercice 786 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 1 | 2 | 32.01758 |
| 2 | 1 | 3 | 1 | 50.50906 |
| 3 | 0 | 2 | 3 | 41.04919 |
| 4 | 2 | 0 | 0 | 56.45972 |

### Exercice 787 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 2 | 2 | 47.52133 |
| 2 | 0 | 0 | 3 | 47.91039 |
| 3 | 3 | 1 | 0 | 41.42064 |
| 4 | 2 | 3 | 1 | 28.10824 |

### Exercice 788 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 0 | 2 | 72.43054 |
| 2 | 2 | -1 | 1 | 72.91347 |
| 3 | 1 | -3 | 0 | 42.40844 |
| 4 | 3 | -2 | 3 | 25.88184 |

### Exercice 789 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 0 | 1 | 46.54651 |
| 2 | 3 | -2 | 0 | 21.64374 |
| 3 | 0 | -1 | 2 | 58.77054 |
| 4 | 1 | -3 | 3 | 16.84986 |

### Exercice 790 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 3 | 0 | 59.51310 |
| 2 | 2 | 0 | 2 | 81.27489 |
| 3 | 1 | 2 | 1 | 103.43036 |
| 4 | 0 | 1 | 3 | 80.92711 |

### Exercice 791 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -3 | 0 | 2 | 67.60393 |
| 2 | 0 | 1 | 3 | 81.19844 |
| 3 | -2 | 3 | 1 | 80.35652 |
| 4 | -1 | 2 | 0 | 112.09845 |

### Exercice 792 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 3 | 1 | 28.18929 |
| 2 | 1 | 1 | 2 | 54.67535 |
| 3 | 2 | 0 | 3 | 28.30210 |
| 4 | 3 | 2 | 0 | 18.50139 |

### Exercice 793 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 2 | 1 | 36.28689 |
| 2 | 3 | 1 | 2 | 23.43341 |
| 3 | 1 | 0 | 3 | 30.46207 |
| 4 | 0 | 3 | 0 | 21.44730 |

### Exercice 794 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | 3 | -1 | 47.92811 |
| 2 | -2 | 2 | -3 | 36.57192 |
| 3 | -3 | 0 | -2 | 46.44819 |
| 4 | 0 | 1 | 0 | 81.03268 |

### Exercice 795 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 0 | 0 | 78.00750 |
| 2 | 0 | 2 | 1 | 72.47975 |
| 3 | 3 | 3 | 3 | 20.65436 |
| 4 | 1 | 1 | 2 | 78.25549 |

### Exercice 796 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 1 | 3 | 54.49037 |
| 2 | 1 | 3 | 2 | 50.12646 |
| 3 | 0 | 2 | 0 | 72.51415 |
| 4 | 3 | 0 | 1 | 58.07191 |

### Exercice 797 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | -3 | 0 | 32.68189 |
| 2 | 0 | 0 | 2 | 86.21241 |
| 3 | 1 | -1 | 3 | 63.15809 |
| 4 | 2 | -2 | 1 | 63.92886 |

### Exercice 798 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 0 | 2 | 122.67135 |
| 2 | 2 | -3 | 3 | 76.30574 |
| 3 | 3 | -1 | 1 | 114.11385 |
| 4 | 1 | -2 | 0 | 122.44920 |

### Exercice 799 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 1 | 3 | 37.84391 |
| 2 | 2 | 2 | 0 | 50.48559 |
| 3 | 3 | 0 | 2 | 34.73995 |
| 4 | 1 | 3 | 1 | 39.43327 |

### Exercice 800 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 1 | 0 | 113.83290 |
| 2 | 2 | 3 | 3 | 57.54526 |
| 3 | 3 | 2 | 1 | 76.63571 |
| 4 | 1 | 0 | 2 | 107.29845 |

### Exercice 801 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 3 | 2 | 11.92148 |
| 2 | 0 | 1 | 1 | 54.44691 |
| 3 | 3 | 2 | 0 | 12.94676 |
| 4 | 2 | 0 | 3 | 17.29108 |

### Exercice 802 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -3 | 1 | 0 | 72.70141 |
| 2 | -1 | 2 | -1 | 88.29160 |
| 3 | 0 | 0 | -2 | 88.66735 |
| 4 | -2 | 3 | -3 | 43.50174 |

### Exercice 803 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 0 | 1 | 82.01542 |
| 2 | 2 | 1 | 3 | 40.07654 |
| 3 | 1 | 3 | 2 | 32.38691 |
| 4 | 3 | 2 | 0 | 35.55130 |

### Exercice 804 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | -2 | 1 | 38.25722 |
| 2 | 2 | -1 | 3 | 40.91674 |
| 3 | 1 | 0 | 0 | 87.82416 |
| 4 | 0 | -3 | 2 | 29.97682 |

### Exercice 805 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 1 | 0 | 100.04869 |
| 2 | 0 | 2 | 2 | 84.73532 |
| 3 | 3 | 3 | 3 | 43.54295 |
| 4 | 1 | 0 | 1 | 125.69012 |

### Exercice 806 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 1 | 0 | 65.698889 |
| 2 | 1 | 2 | 1 | 52.447487 |
| 3 | 3 | 3 | 3 | 1.731123 |
| 4 | 2 | 0 | 2 | 56.401040 |

### Exercice 807 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -2 | 3 | 44.54866 |
| 2 | 3 | 0 | 0 | 74.53286 |
| 3 | 1 | -3 | 1 | 53.89286 |
| 4 | 2 | -1 | 2 | 71.26307 |

### Exercice 808 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | 3 | 2 | 65.36867 |
| 2 | -3 | 1 | 0 | 66.21652 |
| 3 | 0 | 0 | 1 | 98.95215 |
| 4 | -2 | 2 | 3 | 51.92784 |

### Exercice 809 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 2 | 3 | 53.79412 |
| 2 | -1 | 3 | 0 | 70.06602 |
| 3 | -2 | 0 | 2 | 60.15616 |
| 4 | -3 | 1 | 1 | 55.89436 |

### Exercice 810 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 0 | 2 | 48.19550 |
| 2 | 2 | 3 | 0 | 46.60134 |
| 3 | 1 | 1 | 3 | 52.96240 |
| 4 | 0 | 2 | 1 | 70.68830 |

### Exercice 811 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 1 | 2 | 42.817766 |
| 2 | 2 | 0 | 1 | 31.630309 |
| 3 | 3 | 2 | 0 | 10.727173 |
| 4 | 1 | 3 | 3 | 3.323636 |

### Exercice 812 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 3 | 1 | 12.80797 |
| 2 | 0 | 0 | 2 | 41.42773 |
| 3 | 3 | 2 | 0 | 10.08892 |
| 4 | 2 | 1 | 3 | 14.61417 |

### Exercice 813 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 1 | 1 | 143.29150 |
| 2 | -3 | 3 | 3 | 65.35961 |
| 3 | -2 | 0 | 0 | 114.90913 |
| 4 | -1 | 2 | 2 | 113.05874 |

### Exercice 814 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -1 | 0 | 73.53400 |
| 2 | 0 | -2 | 3 | 34.97318 |
| 3 | 3 | 0 | 2 | 20.61243 |
| 4 | 2 | -3 | 1 | 33.32231 |

### Exercice 815 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 0 | 1 | 109.60341 |
| 2 | 2 | -1 | 0 | 86.38504 |
| 3 | 3 | -2 | 3 | 45.17134 |
| 4 | 1 | -3 | 2 | 68.69815 |

### Exercice 816 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 1 | 1 | 56.056121 |
| 2 | 2 | 0 | 2 | 38.064983 |
| 3 | 1 | 3 | 3 | 2.127005 |
| 4 | 3 | 2 | 0 | 17.057972 |

### Exercice 817 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -3 | -1 | -3 | 46.23398 |
| 2 | -1 | 0 | 0 | 100.04834 |
| 3 | 0 | -3 | -2 | 68.47114 |
| 4 | -2 | -2 | -1 | 79.93402 |

### Exercice 818 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 0 | 1 | 44.88458 |
| 2 | 1 | -3 | 2 | 22.98253 |
| 3 | 2 | -2 | 0 | 42.11858 |
| 4 | 0 | -1 | 3 | 35.17017 |

### Exercice 819 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 1 | 2 | 103.72916 |
| 2 | -3 | 2 | 0 | 78.46960 |
| 3 | -1 | 3 | 1 | 92.22347 |
| 4 | -2 | 0 | 3 | 68.98136 |

### Exercice 820 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 2 | 3 | 3.558724 |
| 2 | 2 | 3 | 0 | 15.338753 |
| 3 | 0 | 1 | 1 | 65.858116 |
| 4 | 1 | 0 | 2 | 54.579888 |

### Exercice 821 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 0 | 2 | 110.80027 |
| 2 | 0 | -2 | 0 | 90.77468 |
| 3 | 3 | -1 | 1 | 83.13390 |
| 4 | 2 | -3 | 3 | 53.66914 |

### Exercice 822 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 2 | 1 | 37.65901 |
| 2 | 1 | 3 | 2 | 23.22533 |
| 3 | 0 | 0 | 3 | 38.36149 |
| 4 | 3 | 1 | 0 | 27.32604 |

### Exercice 823 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | -1 | 3 | 8.692096 |
| 2 | 2 | -2 | 1 | 43.737792 |
| 3 | 0 | 0 | 0 | 72.171364 |
| 4 | 1 | -3 | 2 | 33.539258 |

### Exercice 824 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 1 | 3 | 28.230759 |
| 2 | 2 | 3 | 2 | 9.273895 |
| 3 | 3 | 0 | 1 | 32.286087 |
| 4 | 0 | 2 | 0 | 36.879733 |

### Exercice 825 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 0 | 1 | 136.00868 |
| 2 | 1 | 2 | 2 | 100.75989 |
| 3 | 3 | 3 | 0 | 68.84327 |
| 4 | 2 | 1 | 3 | 91.54450 |

### Exercice 826 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | 0 | -2 | 143.41626 |
| 2 | 0 | 2 | 0 | 136.56041 |
| 3 | -3 | 3 | -3 | 85.80331 |
| 4 | -2 | 1 | -1 | 144.41831 |

### Exercice 827 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 0 | 0 | 72.10682 |
| 2 | 3 | 3 | 3 | 10.96515 |
| 3 | 1 | 1 | 2 | 68.88759 |
| 4 | 0 | 2 | 1 | 60.22555 |

### Exercice 828 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 0 | -2 | 104.57551 |
| 2 | -1 | 2 | -3 | 77.59531 |
| 3 | -3 | 3 | 0 | 65.58006 |
| 4 | -2 | 1 | -1 | 108.61959 |

### Exercice 829 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 0 | -3 | 23.70748 |
| 2 | 2 | -3 | -2 | 17.79136 |
| 3 | 3 | -2 | 0 | 24.08174 |
| 4 | 1 | -1 | -1 | 63.88438 |

### Exercice 830 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -2 | -1 | 89.73270 |
| 2 | 3 | -1 | -3 | 53.19716 |
| 3 | 1 | 0 | -2 | 90.49963 |
| 4 | 0 | -3 | 0 | 90.90148 |

### Exercice 831 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -1 | -3 | 38.01261 |
| 2 | 1 | -2 | -1 | 65.46819 |
| 3 | 3 | 0 | -2 | 25.70420 |
| 4 | 2 | -3 | 0 | 40.02565 |

### Exercice 832 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 0 | 3 | 28.40087 |
| 2 | 0 | -2 | 1 | 39.87107 |
| 3 | 1 | -3 | 0 | 21.24615 |
| 4 | 3 | -1 | 2 | 26.38138 |

### Exercice 833 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 1 | 0 | 40.763982 |
| 2 | 3 | 2 | 2 | 9.044019 |
| 3 | 0 | 0 | 1 | 62.796245 |
| 4 | 1 | 3 | 3 | 0.057295 |

### Exercice 834 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 0 | 0 | 72.53893 |
| 2 | 0 | 2 | 2 | 66.48065 |
| 3 | 3 | 3 | 1 | 32.20684 |
| 4 | 1 | 1 | 3 | 60.97706 |

### Exercice 835 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 2 | 0 | 55.27392 |
| 2 | 1 | 1 | 2 | 83.30657 |
| 3 | 0 | 0 | 1 | 98.36892 |
| 4 | 2 | 3 | 3 | 40.09246 |

### Exercice 836 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -3 | 2 | 10.13438 |
| 2 | 3 | 0 | 0 | 41.56427 |
| 3 | 1 | -2 | 1 | 41.32055 |
| 4 | 2 | -1 | 3 | 20.45600 |

### Exercice 837 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -3 | 3 | 1 | 43.18167 |
| 2 | -2 | 1 | 3 | 48.44548 |
| 3 | 0 | 0 | 0 | 97.04630 |
| 4 | -1 | 2 | 2 | 71.57435 |

### Exercice 838 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -2 | 0 | 3 | 59.17756 |
| 2 | -1 | 2 | 2 | 79.64930 |
| 3 | 0 | 1 | 0 | 105.31747 |
| 4 | -3 | 3 | 1 | 46.72668 |

### Exercice 839 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | 0 | 0 | 84.09240 |
| 2 | -2 | 1 | 1 | 71.80535 |
| 3 | 0 | 2 | 2 | 67.87126 |
| 4 | -3 | 3 | 3 | 18.37661 |

### Exercice 840 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 0 | 3 | 5.249802 |
| 2 | 1 | 1 | 2 | 40.627226 |
| 3 | 2 | 3 | 1 | 8.052318 |
| 4 | 0 | 2 | 0 | 30.221314 |

### Exercice 841 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 0 | 3 | 28.63947 |
| 2 | 2 | 3 | 1 | 27.75185 |
| 3 | 0 | 2 | 2 | 47.52541 |
| 4 | 3 | 1 | 0 | 27.65444 |

### Exercice 842 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 3 | 1 | 64.34318 |
| 2 | 3 | 0 | 2 | 71.78055 |
| 3 | 0 | 2 | 3 | 63.09746 |
| 4 | 2 | 1 | 0 | 89.49112 |

### Exercice 843 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 0 | 0 | 95.79109 |
| 2 | -2 | 1 | 2 | 63.87047 |
| 3 | -3 | 2 | 1 | 51.96785 |
| 4 | -1 | 3 | 3 | 41.92412 |

### Exercice 844 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 2 | 3 | 14.40838 |
| 2 | 1 | 3 | 1 | 27.63005 |
| 3 | 3 | 0 | 0 | 31.05261 |
| 4 | 0 | 1 | 2 | 45.48412 |

### Exercice 845 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 0 | 0 | 73.97499 |
| 2 | 1 | 3 | 3 | 22.57457 |
| 3 | 3 | 2 | 1 | 29.67859 |
| 4 | 2 | 1 | 2 | 44.47818 |

### Exercice 846 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | -1 | 2 | 69.19710 |
| 2 | 1 | -2 | 0 | 109.94050 |
| 3 | 2 | -3 | 1 | 79.23465 |
| 4 | 0 | 0 | 3 | 81.85885 |

### Exercice 847 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 0 | 0 | 72.24221 |
| 2 | -2 | 2 | 1 | 49.81683 |
| 3 | -3 | 1 | 2 | 33.19046 |
| 4 | -1 | 3 | 3 | 19.95077 |

### Exercice 848 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -3 | -2 | 25.69187 |
| 2 | 0 | -1 | -1 | 72.04000 |
| 3 | 1 | 0 | -3 | 35.32341 |
| 4 | 3 | -2 | 0 | 34.80312 |

### Exercice 849 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -1 | 2 | 83.45109 |
| 2 | 3 | 0 | 0 | 81.18047 |
| 3 | 0 | -3 | 1 | 57.41773 |
| 4 | 2 | -2 | 3 | 50.66192 |

### Exercice 850 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | 3 | 3 | 70.26747 |
| 2 | -2 | 2 | 1 | 96.13924 |
| 3 | -3 | 1 | 2 | 77.96132 |
| 4 | 0 | 0 | 0 | 120.62493 |

### Exercice 851 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | -1 | 0 | 107.7780 |
| 2 | 2 | 0 | 1 | 133.4485 |
| 3 | 1 | -3 | 3 | 79.4782 |
| 4 | 0 | -2 | 2 | 106.6954 |

### Exercice 852 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -3 | 1 | 27.21691 |
| 2 | 1 | 0 | 3 | 34.24886 |
| 3 | 0 | -2 | 0 | 58.48896 |
| 4 | 3 | -1 | 2 | 22.99596 |

### Exercice 853 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -2 | 3 | -2 | 13.25552 |
| 2 | 0 | 1 | -1 | 59.89559 |
| 3 | -1 | 2 | -3 | 19.66802 |
| 4 | -3 | 0 | 0 | 31.57197 |

### Exercice 854 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -3 | 1 | 61.66735 |
| 2 | 3 | -1 | 3 | 54.39560 |
| 3 | 2 | 0 | 0 | 93.02770 |
| 4 | 1 | -2 | 2 | 76.50120 |

### Exercice 855 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 3 | 1 | 23.39025 |
| 2 | 2 | 0 | 3 | 30.42655 |
| 3 | 1 | 1 | 2 | 52.95388 |
| 4 | 3 | 2 | 0 | 20.75367 |

### Exercice 856 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | 3 | 0 | 67.85959 |
| 2 | 0 | 2 | 1 | 91.09508 |
| 3 | -3 | 0 | 2 | 55.68722 |
| 4 | -2 | 1 | 3 | 59.23573 |

### Exercice 857 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | -2 | 1 | 20.86550 |
| 2 | 0 | -3 | 0 | 19.91874 |
| 3 | 2 | -1 | 2 | 42.48450 |
| 4 | 1 | 0 | 3 | 38.87764 |

### Exercice 858 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 0 | 0 | 39.31662 |
| 2 | 2 | 3 | 2 | 22.52581 |
| 3 | 0 | 1 | 3 | 38.06546 |
| 4 | 1 | 2 | 1 | 55.33887 |

### Exercice 859 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 2 | 0 | 66.90308 |
| 2 | 3 | 3 | 2 | 25.13315 |
| 3 | 1 | 1 | 3 | 57.69490 |
| 4 | 2 | 0 | 1 | 73.35089 |

### Exercice 860 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 3 | 0 | 60.18861 |
| 2 | 2 | 1 | 2 | 76.81974 |
| 3 | 3 | 0 | 1 | 65.58738 |
| 4 | 0 | 2 | 3 | 61.63542 |

### Exercice 861 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 1 | 0 | 61.24241 |
| 2 | -2 | 0 | 3 | 19.98199 |
| 3 | -1 | 2 | 2 | 37.10116 |
| 4 | -3 | 3 | 1 | 7.54419 |

### Exercice 862 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 2 | 3 | 57.60639 |
| 2 | 0 | 3 | 2 | 55.52873 |
| 3 | 2 | 0 | 0 | 90.11435 |
| 4 | 3 | 1 | 1 | 69.86005 |

### Exercice 863 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -2 | 2 | 31.42300 |
| 2 | 1 | 0 | 0 | 71.55728 |
| 3 | 2 | -1 | 3 | 24.64986 |
| 4 | 3 | -3 | 1 | 6.36971 |

### Exercice 864 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 1 | 1 | 128.79107 |
| 2 | 2 | 3 | 3 | 69.90981 |
| 3 | 1 | 0 | 2 | 115.81853 |
| 4 | 3 | 2 | 0 | 90.61379 |

### Exercice 865 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | 2 | 3 | 59.71755 |
| 2 | -2 | 3 | 1 | 64.87448 |
| 3 | -3 | 1 | 0 | 65.72086 |
| 4 | 0 | 0 | 2 | 81.89362 |

### Exercice 866 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -2 | 0 | 68.99749 |
| 2 | 3 | -3 | 1 | 33.84522 |
| 3 | 2 | 0 | 3 | 55.59021 |
| 4 | 0 | -1 | 2 | 72.94441 |

### Exercice 867 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 3 | 3 | 8.916067 |
| 2 | 3 | 2 | 0 | 21.961925 |
| 3 | 0 | 0 | 1 | 76.547350 |
| 4 | 1 | 1 | 2 | 58.135888 |

### Exercice 868 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 0 | 1 | 31.23003 |
| 2 | 0 | 2 | 2 | 54.10845 |
| 3 | 2 | 3 | 3 | 14.53293 |
| 4 | 1 | 1 | 0 | 74.90794 |

### Exercice 869 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -1 | -3 | 26.51825 |
| 2 | 3 | 0 | 0 | 34.70702 |
| 3 | 1 | -3 | -2 | 35.89676 |
| 4 | 0 | -2 | -1 | 67.04102 |

### Exercice 870 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -3 | 1 | 3 | 19.12403 |
| 2 | -1 | 3 | 2 | 31.93043 |
| 3 | 0 | 2 | 1 | 58.40287 |
| 4 | -2 | 0 | 0 | 57.85275 |

### Exercice 871 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 0 | -2 | 56.95875 |
| 2 | 0 | -2 | -3 | 54.35441 |
| 3 | 2 | -3 | -1 | 59.43210 |
| 4 | 1 | -1 | 0 | 105.26776 |

### Exercice 872 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -2 | -1 | 86.89199 |
| 2 | 0 | -3 | -3 | 58.93772 |
| 3 | 1 | 0 | 0 | 107.49574 |
| 4 | 3 | -1 | -2 | 63.94906 |

### Exercice 873 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 3 | 0 | 65.03814 |
| 2 | 2 | 0 | 3 | 67.67021 |
| 3 | 1 | 1 | 1 | 106.33656 |
| 4 | 3 | 2 | 2 | 55.57042 |

### Exercice 874 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 0 | 2 | 108.40770 |
| 2 | 3 | -3 | 0 | 73.53477 |
| 3 | 2 | -1 | 1 | 116.50595 |
| 4 | 1 | -2 | 3 | 79.07040 |

### Exercice 875 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -1 | -2 | 112.94674 |
| 2 | 2 | -3 | -3 | 71.47937 |
| 3 | 0 | 0 | -1 | 127.12853 |
| 4 | 3 | -2 | 0 | 91.43479 |

### Exercice 876 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -2 | 1 | 76.20158 |
| 2 | 0 | -3 | 2 | 47.29378 |
| 3 | 3 | -1 | 0 | 66.08940 |
| 4 | 2 | 0 | 3 | 61.69853 |

### Exercice 877 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -2 | 0 | 0 | 89.59306 |
| 2 | -3 | 1 | 2 | 62.63928 |
| 3 | -1 | 2 | 3 | 67.41290 |
| 4 | 0 | 3 | 1 | 85.57013 |

### Exercice 878 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -2 | -3 | 24.90775 |
| 2 | -1 | 0 | -1 | 58.68524 |
| 3 | -2 | -3 | 0 | 25.38007 |
| 4 | -3 | -1 | -2 | 18.37387 |

### Exercice 879 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -3 | 0 | 12.99104 |
| 2 | 3 | 0 | 2 | 22.52539 |
| 3 | 2 | -2 | 1 | 29.82120 |
| 4 | 1 | -1 | 3 | 18.11778 |

### Exercice 880 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -1 | 0 | 139.64186 |
| 2 | 2 | -3 | 1 | 92.51119 |
| 3 | 3 | -2 | 3 | 77.47915 |
| 4 | 0 | 0 | 2 | 119.05891 |

### Exercice 881 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -3 | 2 | 1 | 33.40912 |
| 2 | 0 | 3 | 2 | 40.61691 |
| 3 | -2 | 1 | 3 | 28.63154 |
| 4 | -1 | 0 | 0 | 72.14870 |

### Exercice 882 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -1 | 3 | 85.94118 |
| 2 | 2 | -3 | 0 | 67.52861 |
| 3 | 1 | 0 | 2 | 112.11378 |
| 4 | 3 | -2 | 1 | 73.35246 |

### Exercice 883 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 0 | 1 | 98.62907 |
| 2 | 0 | 3 | 2 | 44.73652 |
| 3 | 3 | 1 | 0 | 58.51110 |
| 4 | 2 | 2 | 3 | 42.98793 |

### Exercice 884 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -3 | -3 | 54.10021 |
| 2 | 1 | 0 | 0 | 110.87467 |
| 3 | 3 | -2 | -1 | 72.10371 |
| 4 | 0 | -1 | -2 | 97.95302 |

### Exercice 885 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -1 | 2 | 56.82527 |
| 2 | 1 | -2 | 1 | 77.90003 |
| 3 | 3 | -3 | 0 | 34.14062 |
| 4 | 0 | 0 | 3 | 51.85286 |

### Exercice 886 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -2 | 3 | 0 | 89.68917 |
| 2 | -1 | 1 | 2 | 106.56003 |
| 3 | -3 | 2 | 3 | 61.33140 |
| 4 | 0 | 0 | 1 | 121.21459 |

### Exercice 887 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 2 | 0 | 34.47032 |
| 2 | 0 | 1 | 3 | 32.41775 |
| 3 | 3 | 0 | 1 | 35.80225 |
| 4 | 1 | 3 | 2 | 18.73802 |

### Exercice 888 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 2 | 3 | 87.10317 |
| 2 | 3 | 3 | 0 | 73.24439 |
| 3 | 2 | 1 | 1 | 117.11926 |
| 4 | 1 | 0 | 2 | 118.99713 |

### Exercice 889 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 0 | 3 | 55.25707 |
| 2 | 1 | 3 | 0 | 47.68444 |
| 3 | 0 | 1 | 2 | 75.64493 |
| 4 | 3 | 2 | 1 | 47.24699 |

### Exercice 890 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | 0 | 2 | 82.05493 |
| 2 | -2 | 1 | 1 | 80.45126 |
| 3 | 0 | 2 | 3 | 59.49817 |
| 4 | -3 | 3 | 0 | 40.92071 |

### Exercice 891 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -3 | -1 | 0 | 82.76195 |
| 2 | -2 | 0 | -2 | 89.12368 |
| 3 | -1 | -3 | -3 | 68.64874 |
| 4 | 0 | -2 | -1 | 113.24570 |

### Exercice 892 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -2 | 2 | 57.78874 |
| 2 | 3 | 0 | 3 | 45.03879 |
| 3 | 1 | -3 | 0 | 54.22069 |
| 4 | 0 | -1 | 1 | 84.86082 |

### Exercice 893 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | -2 | 0 | 92.00858 |
| 2 | 0 | 0 | -3 | 65.13318 |
| 3 | -3 | -1 | -1 | 63.67582 |
| 4 | -2 | -3 | -2 | 55.34059 |

### Exercice 894 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -2 | 0 | 47.30209 |
| 2 | 3 | 0 | -2 | 18.82757 |
| 3 | 1 | -3 | -1 | 41.08856 |
| 4 | 0 | -1 | -3 | 31.13598 |

### Exercice 895 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -3 | 2 | 13.99912 |
| 2 | 2 | -2 | 0 | 21.61204 |
| 3 | 1 | 0 | 3 | 15.40814 |
| 4 | 3 | -1 | 1 | 10.23213 |

### Exercice 896 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -3 | 1 | 44.78099 |
| 2 | 2 | -1 | 0 | 81.82302 |
| 3 | 3 | 0 | 3 | 40.22205 |
| 4 | 1 | -2 | 2 | 57.26368 |

### Exercice 897 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 1 | 2 | 92.51856 |
| 2 | -1 | 3 | 3 | 55.32660 |
| 3 | -2 | 0 | 0 | 87.54780 |
| 4 | -3 | 2 | 1 | 65.37033 |

### Exercice 898 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | -2 | 1 | 90.10328 |
| 2 | 1 | 0 | 2 | 123.25768 |
| 3 | 0 | -1 | 0 | 123.95855 |
| 4 | 2 | -3 | 3 | 68.47074 |

### Exercice 899 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | -1 | 0 | 78.60131 |
| 2 | 0 | -2 | 3 | 63.40782 |
| 3 | 2 | -3 | 2 | 57.25815 |
| 4 | 1 | 0 | 1 | 121.73291 |

### Exercice 900 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -1 | 1 | 81.22873 |
| 2 | 0 | -3 | 3 | 50.84428 |
| 3 | 1 | -2 | 2 | 77.61905 |
| 4 | 3 | 0 | 0 | 57.55214 |

### Exercice 901 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 3 | 1 | 55.75671 |
| 2 | 1 | 0 | 2 | 106.84552 |
| 3 | 0 | 1 | 3 | 81.27701 |
| 4 | 2 | 2 | 0 | 83.32958 |

### Exercice 902 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 0 | 2 | 62.58141 |
| 2 | 0 | -1 | 3 | 34.59990 |
| 3 | 3 | -2 | 1 | 37.04781 |
| 4 | 2 | -3 | 0 | 32.16701 |

### Exercice 903 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 1 | 1 | 117.88600 |
| 2 | 0 | 0 | 2 | 115.88633 |
| 3 | 3 | 3 | 0 | 73.76943 |
| 4 | 1 | 2 | 3 | 87.40918 |

### Exercice 904 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 0 | 0 | 73.46625 |
| 2 | 1 | 1 | 3 | 51.28845 |
| 3 | 3 | 3 | 1 | 29.06626 |
| 4 | 0 | 2 | 2 | 55.55269 |

### Exercice 905 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 0 | 0 | 38.384256 |
| 2 | 3 | 2 | 2 | 7.129821 |
| 3 | 1 | 3 | 1 | 18.691055 |
| 4 | 0 | 1 | 3 | 27.318415 |

### Exercice 906 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -2 | 0 | 0 | 84.62414 |
| 2 | -1 | 1 | 3 | 66.42854 |
| 3 | -3 | 2 | 2 | 54.15980 |
| 4 | 0 | 3 | 1 | 80.60120 |

### Exercice 907 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 2 | 1 | 13.864037 |
| 2 | 2 | 0 | 0 | 35.510544 |
| 3 | 0 | 3 | 3 | 8.753396 |
| 4 | 1 | 1 | 2 | 42.196200 |

### Exercice 908 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | -2 | 0 | 49.81842 |
| 2 | 1 | -3 | 1 | 53.56574 |
| 3 | 0 | -1 | 3 | 64.29641 |
| 4 | 2 | 0 | 2 | 78.53671 |

### Exercice 909 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 3 | 1 | 68.30649 |
| 2 | 1 | 2 | 2 | 98.81600 |
| 3 | 0 | 0 | 3 | 99.20506 |
| 4 | 2 | 1 | 0 | 110.26395 |

### Exercice 910 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | -2 | -2 | 3.753442 |
| 2 | 2 | -3 | -1 | 11.427443 |
| 3 | 0 | 0 | -3 | 11.779277 |
| 4 | 1 | -1 | 0 | 57.263105 |

### Exercice 911 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 2 | 0 | 80.66354 |
| 2 | 3 | 1 | 3 | 54.09497 |
| 3 | 0 | 3 | 2 | 56.18047 |
| 4 | 2 | 0 | 1 | 97.14514 |

### Exercice 912 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 0 | 2 | 48.41106 |
| 2 | 0 | -1 | 3 | 46.55401 |
| 3 | 2 | -2 | 0 | 53.50242 |
| 4 | 1 | -3 | 1 | 40.46067 |

### Exercice 913 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 1 | 0 | 31.81326 |
| 2 | 0 | 0 | 3 | 42.84871 |
| 3 | 2 | 3 | 2 | 20.53577 |
| 4 | 1 | 2 | 1 | 53.26771 |

### Exercice 914 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | 3 | 0 | 22.67702 |
| 2 | -2 | 1 | 3 | 16.06156 |
| 3 | 0 | 0 | 2 | 41.49379 |
| 4 | -3 | 2 | 1 | 16.14707 |

### Exercice 915 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 1 | 2 | 78.80869 |
| 2 | 3 | 3 | 1 | 35.37927 |
| 3 | 2 | 2 | 0 | 62.95214 |
| 4 | 1 | 0 | 3 | 65.65747 |

### Exercice 916 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | 2 | 3 | 60.10198 |
| 2 | -3 | 1 | 2 | 60.32300 |
| 3 | -2 | 0 | 1 | 86.98184 |
| 4 | 0 | 3 | 0 | 66.10806 |

### Exercice 917 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -3 | 3 | 2 | 27.82992 |
| 2 | -1 | 1 | 1 | 90.89736 |
| 3 | -2 | 0 | 3 | 45.23158 |
| 4 | 0 | 2 | 0 | 76.27585 |

### Exercice 918 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 1 | 1 | 47.13766 |
| 2 | 1 | 0 | 0 | 80.96694 |
| 3 | 2 | 3 | 2 | 33.28957 |
| 4 | 0 | 2 | 3 | 44.45985 |

### Exercice 919 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 0 | 1 | 75.999923 |
| 2 | 2 | -1 | 3 | 26.169425 |
| 3 | 0 | -2 | 0 | 44.593777 |
| 4 | 3 | -3 | 2 | 6.614551 |

### Exercice 920 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 1 | 2 | 77.71569 |
| 2 | 3 | 2 | 3 | 32.14012 |
| 3 | 0 | 3 | 0 | 47.76734 |
| 4 | 2 | 0 | 1 | 83.50902 |

### Exercice 921 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -1 | 3 | 18.678623 |
| 2 | 2 | 0 | 1 | 52.914521 |
| 3 | 0 | -3 | 0 | 13.551882 |
| 4 | 3 | -2 | 2 | 9.543656 |

### Exercice 922 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | -2 | 0 | 99.84511 |
| 2 | 0 | -3 | 3 | 72.61595 |
| 3 | 1 | -1 | 2 | 118.59915 |
| 4 | 2 | 0 | 1 | 133.35791 |

### Exercice 923 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 0 | -3 | 48.59815 |
| 2 | 0 | -1 | -1 | 94.96962 |
| 3 | 2 | -3 | 0 | 55.28760 |
| 4 | 3 | -2 | -2 | 40.07749 |

### Exercice 924 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 0 | 1 | 123.09388 |
| 2 | 2 | 3 | 2 | 71.66222 |
| 3 | 3 | 1 | 3 | 68.99479 |
| 4 | 1 | 2 | 0 | 102.57556 |

### Exercice 925 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | -1 | 0 | 75.45114 |
| 2 | 0 | -2 | -1 | 91.35168 |
| 3 | 1 | -3 | -3 | 50.97472 |
| 4 | 2 | 0 | -2 | 79.90319 |

### Exercice 926 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 0 | 0 | 30.92131 |
| 2 | 1 | 3 | 2 | 15.96363 |
| 3 | 0 | 2 | 3 | 19.06143 |
| 4 | 2 | 1 | 1 | 48.69207 |

### Exercice 927 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 0 | 0 | 55.900162 |
| 2 | 1 | 1 | 2 | 55.062969 |
| 3 | 0 | 3 | 3 | 9.418664 |
| 4 | 3 | 2 | 1 | 24.525553 |

### Exercice 928 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | 0 | 3 | 43.29118 |
| 2 | -3 | 3 | 2 | 18.14315 |
| 3 | -2 | 2 | 1 | 53.34799 |
| 4 | 0 | 1 | 0 | 77.34819 |

### Exercice 929 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -3 | 1 | 0 | 84.68866 |
| 2 | -2 | 0 | 3 | 71.08848 |
| 3 | 0 | 3 | 2 | 85.89584 |
| 4 | -1 | 2 | 1 | 111.57314 |

### Exercice 930 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 3 | -1 | 47.93473 |
| 2 | -1 | 1 | -2 | 72.39944 |
| 3 | -2 | 2 | 0 | 61.06930 |
| 4 | -3 | 0 | -3 | 34.65977 |

### Exercice 931 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | -1 | 3 | 61.57126 |
| 2 | 1 | -3 | 2 | 64.82602 |
| 3 | 2 | -2 | 1 | 82.31780 |
| 4 | 0 | 0 | 0 | 112.52444 |

### Exercice 932 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | -3 | 3 | 35.54749 |
| 2 | 2 | -1 | 1 | 95.31036 |
| 3 | 1 | -2 | 0 | 85.36734 |
| 4 | 0 | 0 | 2 | 94.82743 |

### Exercice 933 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 0 | 3 | 39.23119 |
| 2 | 0 | 2 | 1 | 57.38402 |
| 3 | 3 | 1 | 0 | 44.92343 |
| 4 | 1 | 3 | 2 | 32.68630 |

### Exercice 934 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | -3 | 3 | 72.93213 |
| 2 | 0 | -2 | 1 | 141.87473 |
| 3 | 1 | 0 | 0 | 138.65002 |
| 4 | 2 | -1 | 2 | 113.63109 |

### Exercice 935 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 0 | 1 | 108.49139 |
| 2 | 3 | 3 | 2 | 50.75214 |
| 3 | 1 | 2 | 3 | 67.41241 |
| 4 | 2 | 1 | 0 | 98.20698 |

### Exercice 936 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 0 | 1 | 129.86414 |
| 2 | 1 | -2 | 0 | 113.50135 |
| 3 | 0 | -1 | 3 | 106.12420 |
| 4 | 3 | -3 | 2 | 74.35055 |

### Exercice 937 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 1 | 0 | 70.80819 |
| 2 | 3 | 0 | 3 | 26.93616 |
| 3 | 0 | 2 | 1 | 53.52137 |
| 4 | 2 | 3 | 2 | 23.59484 |

### Exercice 938 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 1 | 0 | 125.99124 |
| 2 | 2 | 0 | 2 | 105.60966 |
| 3 | 1 | 3 | 3 | 72.13745 |
| 4 | 3 | 2 | 1 | 89.08072 |

### Exercice 939 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 2 | 2 | 16.713588 |
| 2 | 0 | 3 | 1 | 5.965574 |
| 3 | 3 | 1 | 0 | 11.054241 |
| 4 | 2 | 0 | 3 | 1.437826 |

### Exercice 940 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -2 | 0 | 50.38100 |
| 2 | 2 | -1 | 2 | 27.27176 |
| 3 | 0 | -3 | 3 | 10.60457 |
| 4 | 3 | 0 | 1 | 14.23268 |

### Exercice 941 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -2 | 0 | 26.643448 |
| 2 | 0 | -3 | -2 | 5.481792 |
| 3 | 1 | 0 | -3 | 10.526578 |
| 4 | 3 | -1 | -1 | 16.262589 |

### Exercice 942 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 2 | 2 | 58.09949 |
| 2 | 3 | 3 | 0 | 27.44123 |
| 3 | 0 | 0 | 3 | 51.30684 |
| 4 | 2 | 1 | 1 | 71.31610 |

### Exercice 943 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -1 | 2 | 42.63182 |
| 2 | 1 | 0 | 0 | 73.14106 |
| 3 | 0 | -3 | 1 | 21.21156 |
| 4 | 3 | -2 | 3 | 6.01716 |

### Exercice 944 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 1 | 0 | 49.860742 |
| 2 | 0 | 3 | 1 | 12.340037 |
| 3 | 3 | 0 | 2 | 12.649586 |
| 4 | 2 | 2 | 3 | 3.437862 |

### Exercice 945 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 1 | 3 | 64.31271 |
| 2 | 0 | 3 | 2 | 53.71482 |
| 3 | 3 | 2 | 0 | 56.61760 |
| 4 | 1 | 0 | 1 | 114.72591 |

### Exercice 946 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 2 | 3 | 24.90059 |
| 2 | 1 | 3 | 0 | 44.81692 |
| 3 | 2 | 1 | 1 | 71.77393 |
| 4 | 0 | 0 | 2 | 69.77426 |

### Exercice 947 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 2 | 2 | 39.34936 |
| 2 | 1 | 3 | 0 | 27.75714 |
| 3 | 3 | 1 | 1 | 38.04258 |
| 4 | 2 | 0 | 3 | 33.44080 |

### Exercice 948 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -2 | 1 | 3 | 34.43153 |
| 2 | 0 | 2 | 2 | 50.12834 |
| 3 | -3 | 3 | 1 | 21.46214 |
| 4 | -1 | 0 | 0 | 75.52848 |

### Exercice 949 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 0 | 0 | 54.63539 |
| 2 | 0 | -2 | 1 | 49.94082 |
| 3 | 2 | -3 | 2 | 22.68133 |
| 4 | 1 | -1 | 3 | 37.42888 |

### Exercice 950 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 0 | 3 | 23.13303 |
| 2 | 2 | 2 | 0 | 33.63111 |
| 3 | 0 | 3 | 2 | 12.52395 |
| 4 | 3 | 1 | 1 | 26.85526 |

### Exercice 951 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 1 | 0 | 63.68846 |
| 2 | 3 | 3 | 2 | 21.37800 |
| 3 | 0 | 2 | 3 | 44.75373 |
| 4 | 1 | 0 | 1 | 89.30600 |

### Exercice 952 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | -3 | 1 | 29.73688 |
| 2 | 3 | 0 | 0 | 25.28178 |
| 3 | 0 | -1 | 3 | 35.75623 |
| 4 | 1 | -2 | 2 | 45.47762 |

### Exercice 953 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 3 | 3 | 43.33876 |
| 2 | 1 | 2 | 1 | 94.05513 |
| 3 | 0 | 1 | 0 | 107.30653 |
| 4 | 2 | 0 | 2 | 98.00868 |

### Exercice 954 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 2 | 3 | 43.06606 |
| 2 | 0 | 0 | 2 | 88.85008 |
| 3 | 1 | 1 | 0 | 100.91915 |
| 4 | 2 | 3 | 1 | 58.33576 |

### Exercice 955 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -3 | 2 | 38.26788 |
| 2 | 0 | -1 | 3 | 41.84499 |
| 3 | 3 | -2 | 0 | 30.49894 |
| 4 | 2 | 0 | 1 | 49.65973 |

### Exercice 956 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 2 | 1 | 50.93923 |
| 2 | 0 | 1 | 3 | 33.66581 |
| 3 | 3 | 0 | 2 | 29.26888 |
| 4 | 2 | 3 | 0 | 22.78964 |

### Exercice 957 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 3 | 0 | 43.56727 |
| 2 | 3 | 1 | 1 | 59.43601 |
| 3 | 1 | 2 | 3 | 49.90540 |
| 4 | 0 | 0 | 2 | 82.36312 |

### Exercice 958 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 0 | -3 | 75.21908 |
| 2 | 1 | -1 | -1 | 124.92052 |
| 3 | 3 | -3 | -2 | 65.51802 |
| 4 | 0 | -2 | 0 | 123.15155 |

### Exercice 959 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -3 | 2 | 34.87690 |
| 2 | 3 | -1 | 0 | 53.67252 |
| 3 | 2 | 0 | 3 | 49.28165 |
| 4 | 1 | -2 | 1 | 63.78470 |

### Exercice 960 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 0 | -2 | 117.3102 |
| 2 | 0 | -2 | -1 | 133.7015 |
| 3 | 3 | -1 | 0 | 104.6347 |
| 4 | 2 | -3 | -3 | 80.3726 |

### Exercice 961 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 1 | 3 | 65.05239 |
| 2 | 2 | 2 | 0 | 89.88151 |
| 3 | 0 | 0 | 2 | 102.80813 |
| 4 | 1 | 3 | 1 | 78.74407 |

### Exercice 962 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 0 | 0 | 30.85440 |
| 2 | 0 | 2 | 3 | 16.32317 |
| 3 | 1 | 3 | 1 | 20.28753 |
| 4 | 2 | 1 | 2 | 38.29817 |

### Exercice 963 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -2 | -2 | -1 | 55.84711 |
| 2 | -3 | 0 | 0 | 40.19034 |
| 3 | 0 | -3 | -3 | 29.94131 |
| 4 | -1 | -1 | -2 | 64.95043 |

### Exercice 964 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | -3 | -2 | 14.73146 |
| 2 | -3 | -1 | -1 | 14.38062 |
| 3 | -2 | -2 | 0 | 28.24655 |
| 4 | 0 | 0 | -3 | 15.83798 |

### Exercice 965 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 2 | 3 | 50.56104 |
| 2 | 0 | 1 | 1 | 89.36577 |
| 3 | 2 | 3 | 2 | 42.00799 |
| 4 | 3 | 0 | 0 | 63.49460 |

### Exercice 966 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -3 | 0 | 41.73455 |
| 2 | 2 | 0 | 1 | 78.14764 |
| 3 | 0 | -1 | 2 | 71.86962 |
| 4 | 3 | -2 | 3 | 26.77181 |

### Exercice 967 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 0 | 0 | 120.02070 |
| 2 | 2 | -2 | 1 | 91.58712 |
| 3 | 1 | -3 | 3 | 66.91638 |
| 4 | 3 | -1 | 2 | 68.90879 |

### Exercice 968 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -3 | -1 | 58.09496 |
| 2 | 3 | 0 | 0 | 58.62142 |
| 3 | 2 | -1 | -2 | 65.51431 |
| 4 | 0 | -2 | -3 | 46.30390 |

### Exercice 969 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -3 | 2 | 1 | 35.27196 |
| 2 | 0 | 3 | 3 | 28.36321 |
| 3 | -2 | 1 | 2 | 52.81243 |
| 4 | -1 | 0 | 0 | 74.40357 |

### Exercice 970 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 1 | 0 | 122.49268 |
| 2 | 1 | 0 | 3 | 99.97523 |
| 3 | 2 | 2 | 1 | 101.94310 |
| 4 | 3 | 3 | 2 | 67.64727 |

### Exercice 971 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -2 | -1 | 62.14758 |
| 2 | 3 | -1 | -2 | 36.34982 |
| 3 | 1 | 0 | -3 | 39.54103 |
| 4 | 2 | -3 | 0 | 38.70464 |

### Exercice 972 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | 1 | 1 | 100.09024 |
| 2 | 0 | 3 | 2 | 54.45516 |
| 3 | -3 | 0 | 3 | 41.85821 |
| 4 | -2 | 2 | 0 | 71.21223 |

### Exercice 973 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 1 | 2 | 8.896181 |
| 2 | 0 | 2 | 1 | 29.653976 |
| 3 | 2 | 0 | 3 | 7.455771 |
| 4 | 1 | 3 | 0 | 12.165947 |

### Exercice 974 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 2 | 2 | 92.52981 |
| 2 | -1 | 3 | 0 | 80.22880 |
| 3 | -2 | 0 | 1 | 94.25709 |
| 4 | -3 | 1 | 3 | 57.36184 |

### Exercice 975 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -1 | -1 | 83.48106 |
| 2 | -3 | -2 | -2 | 26.36928 |
| 3 | -2 | 0 | -3 | 29.52033 |
| 4 | -1 | -3 | 0 | 47.77551 |

### Exercice 976 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | -2 | -2 | 63.80956 |
| 2 | 1 | -3 | -1 | 86.95921 |
| 3 | 0 | 0 | -3 | 73.81731 |
| 4 | 2 | -1 | 0 | 99.64383 |

### Exercice 977 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 2 | 2 | 51.60247 |
| 2 | 1 | 1 | 1 | 83.38383 |
| 3 | 2 | 0 | 3 | 39.85212 |
| 4 | 3 | 3 | 0 | 26.88217 |

### Exercice 978 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 0 | 1 | 78.93358 |
| 2 | 0 | 2 | 2 | 82.42450 |
| 3 | 1 | 1 | 0 | 103.22400 |
| 4 | 3 | 3 | 3 | 30.73330 |

### Exercice 979 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 3 | 0 | 79.26784 |
| 2 | -1 | 0 | 1 | 116.28299 |
| 3 | -2 | 2 | 3 | 66.78421 |
| 4 | -3 | 1 | 2 | 73.48278 |

### Exercice 980 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 1 | 2 | 56.29146 |
| 2 | 3 | 0 | 3 | 31.37502 |
| 3 | 1 | 3 | 1 | 36.53626 |
| 4 | 0 | 2 | 0 | 53.36718 |

### Exercice 981 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -2 | 3 | 64.58038 |
| 2 | 0 | -1 | 1 | 102.77207 |
| 3 | 2 | -3 | 0 | 61.44046 |
| 4 | 3 | 0 | 2 | 74.91935 |

### Exercice 982 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 1 | 0 | 84.09371 |
| 2 | 1 | 0 | 1 | 109.71125 |
| 3 | 3 | 3 | 2 | 41.78325 |
| 4 | 0 | 2 | 3 | 65.15898 |

### Exercice 983 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 2 | 0 | 84.95312 |
| 2 | 0 | 3 | 3 | 52.43130 |
| 3 | 3 | 1 | 1 | 69.83801 |
| 4 | 2 | 0 | 2 | 83.99573 |

### Exercice 984 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 0 | 1 | 64.03682 |
| 2 | 1 | -1 | 3 | 71.79077 |
| 3 | 2 | -3 | 0 | 70.55428 |
| 4 | 0 | -2 | 2 | 90.10470 |

### Exercice 985 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 0 | 1 | 51.55888 |
| 2 | 1 | 2 | 3 | 16.56480 |
| 3 | 3 | 1 | 0 | 24.30680 |
| 4 | 0 | 3 | 2 | 10.59421 |

### Exercice 986 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 2 | 0 | 76.96418 |
| 2 | 3 | 3 | 2 | 36.58725 |
| 3 | 0 | 1 | 1 | 94.34062 |
| 4 | 2 | 0 | 3 | 62.35596 |

### Exercice 987 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -2 | 1 | -1 | 83.39092 |
| 2 | -1 | 0 | 0 | 99.06830 |
| 3 | -3 | 3 | -2 | 35.14577 |
| 4 | 0 | 2 | -3 | 50.73541 |

### Exercice 988 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 0 | 1 | 130.87206 |
| 2 | 2 | -2 | 0 | 89.97642 |
| 3 | 3 | -1 | 3 | 68.25369 |
| 4 | 0 | -3 | 2 | 68.94484 |

### Exercice 989 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | -3 | 2 | 48.69663 |
| 2 | 3 | -2 | 0 | 54.33834 |
| 3 | 2 | -1 | 3 | 57.74103 |
| 4 | 0 | 0 | 1 | 99.33680 |

### Exercice 990 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -2 | 1 | 1 | 78.01093 |
| 2 | -3 | 3 | 2 | 34.40792 |
| 3 | 0 | 2 | 3 | 57.05784 |
| 4 | -1 | 0 | 0 | 90.29798 |

### Exercice 991 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | 1 | 3 | 44.23614 |
| 2 | 1 | 2 | 1 | 66.73939 |
| 3 | 3 | 3 | 0 | 22.82213 |
| 4 | 2 | 0 | 2 | 44.58392 |

### Exercice 992 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 0 | 2 | 68.69064 |
| 2 | 3 | 2 | 1 | 35.22011 |
| 3 | 0 | 3 | 0 | 33.88182 |
| 4 | 2 | 1 | 3 | 38.54436 |

### Exercice 993 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 0 | -2 | 55.69955 |
| 2 | 0 | -1 | 0 | 74.85438 |
| 3 | 2 | -3 | -3 | 12.99647 |
| 4 | 3 | -2 | -1 | 34.22120 |

### Exercice 994 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 1 | 0 | 3 | 59.95519 |
| 2 | 0 | 3 | 1 | 43.30919 |
| 3 | 2 | 1 | 2 | 64.16982 |
| 4 | 3 | 2 | 0 | 41.20410 |

### Exercice 995 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | -1 | 3 | 3 | 2.040504 |
| 2 | -3 | 2 | 1 | 15.263449 |
| 3 | -2 | 1 | 0 | 41.909033 |
| 4 | 0 | 0 | 2 | 40.610167 |

### Exercice 996 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -2 | 0 | 112.31210 |
| 2 | 3 | -3 | 1 | 66.10528 |
| 3 | 1 | -1 | 2 | 109.26914 |
| 4 | 2 | 0 | 3 | 78.30203 |

### Exercice 997 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 0 | -2 | 1 | 107.07390 |
| 2 | 2 | -1 | 2 | 108.53704 |
| 3 | 3 | -3 | 0 | 73.26162 |
| 4 | 1 | 0 | 3 | 101.49829 |

### Exercice 998 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 2 | 3 | 53.92383 |
| 2 | 2 | 0 | 0 | 99.81723 |
| 3 | 0 | 3 | 1 | 74.25621 |
| 4 | 1 | 1 | 2 | 100.06522 |

### Exercice 999 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 3 | 1 | 1 | 50.36489 |
| 2 | 1 | 2 | 2 | 55.97964 |
| 3 | 2 | 3 | 0 | 40.60490 |
| 4 | 0 | 0 | 3 | 45.29815 |

### Exercice 1000 .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Satellite | x | y | z | t |
| 1 | 2 | 0 | 1 | 75.21089 |
| 2 | 1 | 3 | 2 | 35.27137 |
| 3 | 3 | 2 | 0 | 37.14900 |
| 4 | 0 | 1 | 3 | 50.31591 |