5.a)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 1 | 2 | -1 | 2 | 1 |
| 1 | 2 | 2 | 0 | 1 |
| 2 | 4 | -2 | 3 | 1 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 1 | 2 | -1 | 2 | 1 |
| 0 | 0 | 3 | -2 | 0 |
| 0 | 0 | 0 | -1 | -1 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 1 | 2 | -1 | 2 | 1 |
| 0 | 0 | 1 | -2/3 | 0 |
| 0 | 0 | 0 | 1 | 1 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 1 | 2 | -1 | 0 | -1 |
| 0 | 0 | 1 | 0 | 2/3 |
| 0 | 0 | 0 | 1 | 1 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **1** | 2 | 0 | 0 | -1/3 |
| 0 | 0 | **1** | 0 | 2/3 |
| 0 | 0 | 0 | **1** | 1 |

Đặt x5=3t1, x2=t2

* X4=-3t1
* X3=-2t1
* X1= t1 -2t2

b)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 1 | 2 | -1 | 1 | 1 |
| -1 | -2 | 2 | 0 | 1 |
| -1 | -2 | 3 | 1 | 3 |

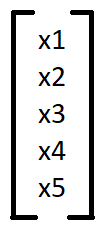
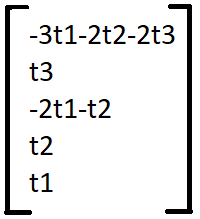
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 1 | 2 | -1 | 1 | 1 |
| 0 | 0 | 1 | 1 | 2 |
| 0 | 0 | 2 | 2 | 4 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 1 | 2 | -1 | 1 | 1 |
| 0 | 0 | 1 | 1 | 2 |
| 0 | 0 | 0 | 0 | 0 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 1 | 2 | 0 | 2 | 3 |
| 0 | 0 | 1 | 1 | 2 |
| 0 | 0 | 0 | 0 | 0 |

Đặt x5=t1,x4=t2,x2=t3

* X3 = -2t1-t2
* X1 = -3t1-2t2-2t3



* X= =