4.4.9

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |
| Z | -2 | 1 | -1 | 0 | 0 | 0 | 0 |
|  | 3 | 1 | 1 | 1 | 0 | 0 | 6 |
|  | 1 | -1 | 2 | 0 | 1 | 0 | 1 |
|  | 1 | 1 | -1 | 0 | 0 | 1 | 2 |

Como tanto o dá nos ½ então devemos escolher um deles

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |
| Z | -2 | 1 | -1 | 0 | 0 | 0 | 0 |
|  | 3 | 1 | 1 | 1 | 0 | 0 | 6 |
|  | 1 | -1 | 2 | 0 | 1 | 0 | 1 |
|  | 1 | 1 | -1 | 0 | 0 | 1 | 2 |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |
| Z | -2 + 2(1) | 1 + 2(-1) | -1 + 2(2) | 0 | 0 + 2(1) | 0 | 0 + 2(1) |
|  | 3 – 3(1) | 1 – 3(-1) | 1 – 3(2) | 1 – 3(0) | 0 – 3(1) | 0 – 3(0) | 6 – 3(1) |
|  | 1 | -1 | 2 | 0 | 1 | 0 | 1 |
|  | 1 – 1(1) | 1 – 1(-1) | -1 -1(2) | 0 | 0 – 1(1) | 1 | 2 – 1(1) |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |
| Z | 0 | -1 | 3 | 0 | 2 | 0 | 2 |
|  | 0 | 4 | -5 | 1 | -3 | 0 | 3 |
|  | 1 | -1 | 2 | 0 | 1 | 0 | 1 |
|  | 0 | 2 | -3 | 0 | -1 | 1 | 1 |

Como ainda temos um valor negativo em Z neste caso no então devemos continuar

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |
| Z | 0 | -1 | 3 | 0 | 2 | 0 | 2 |
|  | 0 | 4 | -5 | 1 | -3 | 0 | 3 |
|  | 1 | -1 | 2 | 0 | 1 | 0 | 1 |
|  | 0 | 2 | -3 | 0 | -1 | 1 | 1 |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |
| Z | 0 | -1 | 3 | 0 | 2 | 0 | 2 |
|  | 0 | 4 | -5 | 1 | -3 | 0 | 3 |
|  | 1 | -1 | 2 | 0 | 1 | 0 | 1 |
|  | 0 | 2 / 2 | -3 / 2 | 0 / 2 | -1/2 | 1/2 | 1/2 |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |
| Z | 0 | -1 + 1(1) | 3+1(-1.5) | 0 | 2+1(-1/2) | 0+1(0.5) | 2 + 1(0.5) |
|  | 0 | 4 – 4(1) | -5 – 4(-1.5) | 1 | -3-4(-0.5) | 0-4(0.5) | 3-4(0.5) |
|  | 1 | -1 + 1(1) | 2 + 1(-1.5) | 0 | 1 + 1(-0.5) | 0+1(0.5) | 1 + 1(0.5) |
|  | 0 | 1 | -1.5 | 0 | -0.5 | 0.5 | 0.5 |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |
| Z | 0 | 0 | 1.5 | 0 | 1.5 | 0.5 | 2.5 |
|  | 0 | 0 | 1 | 1 | -1 | -2 | 1 |
|  | 1 | 0 | 0.5 | 0 | 0.5 | 0 .5 | 1.5 |
|  | 0 | 1 | -1.5 | 0 | -0.5 | 0.5 | 0.5 |

O problema não é um caso especial e o Z = 2.5

4.5.3