```
Gabriel José Negrelli Gomes – 8006157
Lista 3 - EESEP
1)
Least-Square State Estimator
Estimated States:
[[-0.25040915]
[-0.3487617]]
Weighted Least-Square State Estimator
Estimated States:
[[-0.25041929]
[-0.34840518]]
2)
Weighted Least-Square State Estimator
Estimated States:
[[11.49916805]
[ 5.95008319]
[13.55074875]]
b.
Weighted Least-Square State Estimator
Estimated States:
[[11.55437746]
[6.19249814]
[13.25312439]]
c.
Residue:
[[ -1.61879317]
[ 4.61879317]
[ 1.98746933]
[-0.98746933]
[-11.39373751]
[ 9.39373751]
[ -0.55437746]
[-0.19249814]
[ 0.74687561]]
3)
p(z < -2.00) = 2.2750\%
```

p(-4.20 < z < -2.00) = 2.2737%