```
q3C_prior_value
Iteration = 5, lr =  0.099, RRMSE = 0.22588583036752596, prev_RRMSE = 0.21183997571076946, patience = 7
Iteration = 10, lr =  0.096, RRMSE = 0.3050365507633994, prev_RRMSE = 0.28939990330315807, patience = 2
alpha = 0.768, gamma = 0.0447, RRMSE = 0.1900630624003291
_____
q3A_prior_value
Iteration = 5, lr =  0.099, RRMSE = 0.34572866884967546, prev_RRMSE = 0.3044218383651351, patience = 7
Iteration = 10, lr =  0.096, RRMSE = 0.5208126971823897, prev_RRMSE = 0.4901574042131572, patience = 2
alpha = 0.1, gamma = 1.0, RRMSE = 0.19231412808328385
_____
q3B_prior_value
Iteration = 5, lr =  0.099, RRMSE = 0.3505661152868756, prev_RRMSE = 0.3050027268346516, patience = 7
Iteration = 10, lr =  0.096, RRMSE = 0.5374416269034984, prev_RRMSE = 0.5059631269727007, patience = 2
alpha = 0.1, gamma = 1.0, RRMSE = 0.1911630094168758
```