Train rMSE 100: 5.672805309295654

Train rMSE 200: 4.648913860321045

Train rMSE 300: 4.609657287597656

Val rMSE: index 0: (H 16, layers 2, regularization 0.0005, learning rate 0.01) = 5.1250152587890625

Train rMSE 100: 4.721488952636719

Train rMSE 200: 4.615699291229248

Train rMSE 300: 4.572929382324219

Val rMSE: index 1: (H 16, layers 2, regularization 0.0005, learning rate 0.05) = 5.117729663848877

Train rMSE 100: 5.752488136291504

Train rMSE 200: 4.814063549041748

Train rMSE 300: 4.7025909423828125

Val rMSE: index 2: (H 16, layers 2, regularization 0.0005, learning rate 0.1) = 5.225374221801758

Train rMSE 100: 5.883754730224609

Train rMSE 200: 4.863059043884277

Train rMSE 300: 4.735414028167725

Val rMSE: index 3: (H 16, layers 2, regularization 0.1, learning rate 0.01) = 5.375552654266357

Train rMSE 100: 7.895895957946777

Train rMSE 200: 4.7194671630859375

Train rMSE 300: 4.608005046844482

Val rMSE: index 4: (H 16, layers 2, regularization 0.1, learning rate 0.05) = 5.113581657409668

Train rMSE 100: 5.072915554046631

Train rMSE 200: 4.705718040466309

Train rMSE 300: 4.6386518478393555

Val rMSE: index 5: (H 16, layers 2, regularization 0.1, learning rate 0.1) = 6.2263898849487305

Train rMSE 100: 5.619755744934082

Train rMSE 200: 4.830887794494629

Train rMSE 300: 4.682616710662842

Val rMSE: index 6: (H 16, layers 2, regularization 0.9, learning rate 0.01) = 5.521783351898193

Train rMSE 100: 4.8785505294799805

Train rMSE 200: 5.391083240509033

Train rMSE 300: 4.597917079925537

Val rMSE: index 7: (H 16, layers 2, regularization 0.9, learning rate 0.05) = 5.12999963760376

Train rMSE 100: 213.66055297851562

Train rMSE 200: 48.83668518066406

Train rMSE 300: 19.16088104248047

Val rMSE: index 8: (H 16, layers 2, regularization 0.9, learning rate 0.1) = 19.236719131469727

Best validation: 5.113581657409668

Best index: 4

Test rMSE: 4.475409030914307

Train rMSE 100: 5.493447303771973

Train rMSE 200: 4.92821741104126

Train rMSE 300: 4.8635640144348145

Val rMSE: index 0: (H 32, layers 2, regularization 0.0005, learning rate 0.01) = 4.30775785446167

Train rMSE 100: 5.053812503814697

Train rMSE 200: 4.878194808959961

Train rMSE 300: 4.843502044677734

Val rMSE: index 1: (H 32, layers 2, regularization 0.0005, learning rate 0.05) = 4.437894344329834

Train rMSE 100: 6.143627166748047

Train rMSE 200: 5.5638628005981445

Train rMSE 300: 5.318551540374756

Val rMSE: index 2: (H 32, layers 2, regularization 0.0005, learning rate 0.1) = 4.7604289054870605

Train rMSE 100: 7.130056858062744

Train rMSE 200: 4.983652591705322

Train rMSE 300: 4.888672828674316

Val rMSE: index 3: (H 32, layers 2, regularization 0.1, learning rate 0.01) = 4.281246662139893

Train rMSE 100: 5.361550331115723

Train rMSE 200: 5.108625411987305

Train rMSE 300: 5.019140243530273

Val rMSE: index 4: (H 32, layers 2, regularization 0.1, learning rate 0.05) = 4.3341383934021

Train rMSE 100: 6.93567419052124

Train rMSE 200: 6.061896800994873

Train rMSE 300: 5.666403770446777

Val rMSE: index 5: (H 32, layers 2, regularization 0.1, learning rate 0.1) = 6.0827202796936035

Train rMSE 100: 5.548997402191162

Train rMSE 200: 5.175407409667969

Train rMSE 300: 5.041558742523193

Val rMSE: index 6: (H 32, layers 2, regularization 0.9, learning rate 0.01) = 4.599769115447998

Train rMSE 100: 5.925407409667969

Train rMSE 200: 4.979267120361328

Train rMSE 300: 5.066630840301514

Val rMSE: index 7: (H 32, layers 2, regularization 0.9, learning rate 0.05) = 4.310311794281006

Train rMSE 100: 5.060271263122559

Train rMSE 200: 19.31317138671875

Train rMSE 300: 10.78330135345459

Val rMSE: index 8: (H 32, layers 2, regularization 0.9, learning rate 0.1) = 11.398061752319336

Best validation: 4.281246662139893

Best index: 3

Test rMSE: 4.605372905731201