Try Learning Rates for Adam wide search (10^-2, 10^-6)

0/100

val\_acc:0.15037593245506287lr:0.00617370117572418

1/100

val\_acc:0.20676691830158234lr:1.2554380602326845e-06

2/100

val\_acc:0.7330827116966248lr:0.0008967194394014324

3/100

val\_acc:0.43609023094177246lr:3.363365660387814e-06

4/100

val\_acc:0.530075192451477lr:6.688938966350668e-06

5/100

val\_acc:0.3571428656578064lr:0.0029544066302526

6/100

val\_acc:0.7819548845291138lr:4.26075134508876e-05

7/100

val\_acc:0.07894736528396606lr:0.008207230458864862

8/100

val\_acc:0.7669172883033752lr:3.065531704334718e-05

9/100

val\_acc:0.6353383660316467lr:0.0017929713832029368

10/100

val\_acc:0.07894736528396606lr:0.008868974911757524

11/100

val\_acc:0.7142857313156128lr:1.6191199742936378e-05

12/100

val\_acc:0.6428571343421936lr:0.00120469114770727

13/100

val\_acc:0.7067669034004211lr:1.887102405456593e-05

14/100

val\_acc:0.8120300769805908lr:0.00036403695299577554

15/100

val\_acc:0.8157894611358643lr:0.00018357881342377313

16/100

val\_acc:0.7969924807548523lr:7.301831157474957e-05

17/100

val\_acc:0.16165412962436676lr:0.004454765904519685

18/100

val\_acc:0.5939849615097046lr:0.0015465765840932224

19/100

val\_acc:0.7819548845291138lr:0.0006561237324545939

20/100

val\_acc:0.4172932207584381lr:0.0026466493305467268

21/100

val\_acc:0.8045112490653992lr:0.00023695193133560188

22/100

val\_acc:0.7481203079223633lr:3.975354101987869e-05

23/100

val\_acc:0.5864661931991577lr:7.66096154003881e-06

24/100

val\_acc:0.43233081698417664lr:0.002490947991294321

25/100

val\_acc:0.7067669034004211lr:0.001013816283574432

26/100

val\_acc:0.7744361162185669lr:8.277124336068275e-05

27/100

val\_acc:0.7969924807548523lr:0.0003116862773404201

28/100

val\_acc:0.7706766724586487lr:0.00031381491114208375

29/100

val\_acc:0.7330827116966248lr:3.485554426727779e-05

30/100

val\_acc:0.5827067494392395lr:7.390316337452423e-06

31/100

val\_acc:0.5902255773544312lr:0.0018651197221668425

32/100

val\_acc:0.308270663022995lr:2.17159858203076e-06

0/100

val\_acc:0.13909775018692017lr:0.00617370117572418

1/100

val\_acc:0.16917292773723602lr:1.2554380602326845e-06

2/100

val\_acc:0.7631579041481018lr:0.0008967194394014324

3/100

val\_acc:0.42105263471603394lr:3.363365660387814e-06

4/100

val\_acc:0.597744345664978lr:6.688938966350668e-06

5/100

val\_acc:0.38721805810928345lr:0.0029544066302526

6/100

val\_acc:0.7932330965995789lr:4.26075134508876e-05

7/100

val\_acc:0.07894736528396606lr:0.008207230458864862

8/100

val\_acc:0.7556390762329102lr:3.065531704334718e-05

9/100

val\_acc:0.6842105388641357lr:0.0017929713832029368

10/100

val\_acc:0.07894736528396606lr:0.008868974911757524

11/100

val\_acc:0.6917293071746826lr:1.6191199742936378e-05

12/100

val\_acc:0.6917293071746826lr:0.00120469114770727

13/100

val\_acc:0.6729323267936707lr:1.887102405456593e-05

14/100

val\_acc:0.7781955003738403lr:0.00036403695299577554

15/100

val\_acc:0.8233082890510559lr:0.00018357881342377313

16/100

val\_acc:0.7819548845291138lr:7.301831157474957e-05

17/100

val\_acc:0.12030075490474701lr:0.004454765904519685

18/100

val\_acc:0.6503759622573853lr:0.0015465765840932224

19/100

val\_acc:0.8157894611358643lr:0.0006561237324545939

20/100

val\_acc:0.29323309659957886lr:0.0026466493305467268

21/100

val\_acc:0.7706766724586487lr:0.00023695193133560188

22/100

val\_acc:0.7631579041481018lr:3.975354101987869e-05

23/100

val\_acc:0.5563910007476807lr:7.66096154003881e-06

24/100

val\_acc:0.46992480754852295lr:0.002490947991294321

25/100

val\_acc:0.6842105388641357lr:0.001013816283574432

26/100

val\_acc:0.7744361162185669lr:8.277124336068275e-05

27/100

val\_acc:0.7631579041481018lr:0.0003116862773404201

28/100

val\_acc:0.8233082890510559lr:0.00031381491114208375

29/100

val\_acc:0.7593985199928284lr:3.485554426727779e-05

30/100

val\_acc:0.61654132604599lr:7.390316337452423e-06

31/100

val\_acc:0.5639097690582275lr:0.0018651197221668425

32/100

val\_acc:0.31578946113586426lr:2.17159858203076e-06

33/100

val\_acc:0.7406014800071716lr:2.544948086590386e-05

Second Round: fine search learning rates for Adam (10^-4,10^-5)

0/100

val\_acc:0.7932330965995789lr:8.864135805138156e-05

0/100

val\_acc:0.8007518649101257lr:8.864135805138156e-05

1/100

val\_acc:0.6503759622573853lr:1.0585194017647186e-05

2/100

val\_acc:0.7781955003738403lr:5.4722275240139e-05

3/100

val\_acc:0.6729323267936707lr:1.3542334020885471e-05

4/100

val\_acc:0.6804511547088623lr:1.6081972246860637e-05

5/100

val\_acc:0.7631579041481018lr:7.372547296402881e-05

6/100

val\_acc:0.7293233275413513lr:2.5548861231138427e-05

7/100

val\_acc:0.7894737124443054lr:9.518075756937936e-05

8/100

val\_acc:0.7180451154708862lr:2.353024521025988e-05

9/100

val\_acc:0.7781955003738403lr:6.507187780313187e-05

10/100

val\_acc:0.7857142686843872lr:9.704392568822804e-05

11/100

val\_acc:0.6691729426383972lr:2.0059484016967862e-05

12/100

val\_acc:0.8007518649101257lr:5.891405688783842e-05 lr2

13/100

val\_acc:0.7180451154708862lr:2.0842454738455426e-05

14/100

val\_acc:0.7857142686843872lr:4.368037595464363e-05

15/100

val\_acc:0.7706766724586487lr:3.6809137355288384e-05

16/100

val\_acc:0.7030075192451477lr:2.9231960731334092e-05

17/100

val\_acc:0.7932330965995789lr:8.169702119779362e-05

18/100

val\_acc:0.7894737124443054lr:6.271087458436122e-05

19/100

val\_acc:0.7781955003738403lr:5.061117693376182e-05

20/100

val\_acc:0.7819548845291138lr:7.172558527635862e-05

21/100

val\_acc:0.7932330965995789lr:3.92342236338757e-05

22/100

val\_acc:0.7180451154708862lr:2.5109840543795702e-05

23/100

val\_acc:0.6729323267936707lr:1.6636839256414078e-05

24/100

val\_acc:0.7819548845291138lr:7.064658365795397e-05

25/100

val\_acc:0.7481203079223633lr:5.642737087301238e-05

26/100

val\_acc:0.7518796920776367lr:3.0162676050219858e-05

27/100

val\_acc:0.7368420958518982lr:4.201742373715956e-05

28/100

val\_acc:0.7105262875556946lr:4.208897930879047e-05

29/100

val\_acc:0.7443609237670898lr:2.429785674091815e-05

30/100

val\_acc:0.7105262875556946lr:1.6487915655101678e-05

31/100

val\_acc:0.7932330965995789lr:6.571684097317614e-05

32/100

val\_acc:0.6766917109489441lr:1.2139334744829436e-05

Another Second round, 10^-3 – 10^-5

0/100

val\_acc:0.7180451154708862lr:0.0007857290357193235

1/100

val\_acc:0.6052631735801697lr:1.1204633239123377e-05

2/100

val\_acc:0.8383458852767944lr:0.000299452740745753

3/100

val\_acc:0.6879699230194092lr:1.8339481073323242e-05

4/100

val\_acc:0.7443609237670898lr:2.5862983134879575e-05

5/100

val\_acc:0.7593985199928284lr:0.0005435445363769743

6/100

val\_acc:0.7593985199928284lr:6.527443102079681e-05

7/100

val\_acc:0.7180451154708862lr:0.0009059376611480985

8/100

val\_acc:0.7857142686843872lr:5.536724396549568e-05

9/100

val\_acc:0.7293233275413513lr:0.0004234349280825727

10/100

val\_acc:0.6917293071746826lr:0.0009417523512982346

11/100

val\_acc:0.7593985199928284lr:4.023828990269891e-05

12/100

val\_acc:0.7518796920776367lr:0.00034708660989834654

13/100

val\_acc:0.7744361162185669lr:4.344079195245631e-05

14/100

val\_acc:0.7932330965995789lr:0.00019079752435390137

15/100

val\_acc:0.8383458852767944lr:0.0001354912592840487

16/100

val\_acc:0.8045112490653992lr:8.545075281982584e-05

17/100

val\_acc:0.7218044996261597lr:0.0006674403272592753

18/100

val\_acc:0.7969924807548523lr:0.0003932653791135473

19/100

val\_acc:0.7819548845291138lr:0.0002561491230620542

20/100

val\_acc:0.7744361162185669lr:0.0005144559583236182

21/100

val\_acc:0.7744361162185669lr:0.0001539324304152967

22/100

val\_acc:0.7781955003738403lr:6.305040921348465e-05

23/100

val\_acc:0.7443609237670898lr:2.7678442044376e-05

24/100

val\_acc:0.7857142686843872lr:0.000499093978254028

25/100

val\_acc:0.7706766724586487lr:0.00031840481836404927

26/100

val\_acc:0.7819548845291138lr:9.097870265105065e-05

27/100

val\_acc:0.8233082890510559lr:0.00017654638975080178 lr1

28/100

val\_acc:0.7857142686843872lr:0.00017714821792557886

29/100

val\_acc:0.7969924807548523lr:5.903858422021804e-05

30/100

val\_acc:0.7481203079223633lr:2.7185136264974695e-05

31/100

val\_acc:0.7819548845291138lr:0.0004318703187493723

32/100

val\_acc:0.6917293071746826lr:1.4736344804702283e-05

Hyperparameter Optimization on VGG Tuning:

Top val acc architectures:

Dense – dropout

128 – 0.2 overfit

128 – 0.3 overfit

128 – 0.5 overfit

256-02 overfit

128 02 128 02 overfit

2x128 03 slight overfit

128-05-128-05 mehr epochen (40), noch kein overfit, evtl decay

2x 128 04 04 auch

2x 256 05 auch