HOMEWORK 04

AVL Tree

Insert 50:

50

Insert 70:

50 \ 70

Insert 90:

70 / \ 50 90

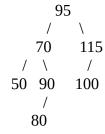
Insert 115:

70 / \ 50 90 \ 115

Insert 95:

70 / \ 50 95 / \ 90 115 Insert 100:

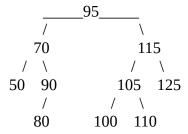
Insert 80:



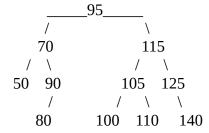
Insert 125:

Insert 105:

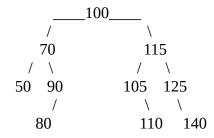
Insert 110:



Insert 140:

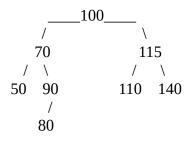


Delete 95:



Delete 125:

Delete 105:



2-3 Tree

Insert 50:

50

Insert 70:

50 70

Insert 90:

70 / \ 50 90

Insert 115:

70 / \ 50 90 115

Insert 95:

70 95 / | \ 50 90 115

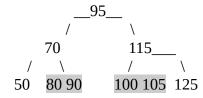
Insert 100:

70 95 / | \ 50 90 100 115

Insert 80:

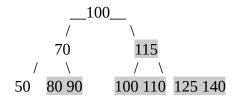
70 95 / | \ 50 80 90 100 115 Insert 125:

Insert 105:



Insert 110:

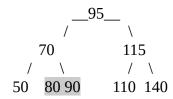
Insert 140:



Delete 95:

Delete 125:

Delete 105:



2-3-4 Tree

Insert 50:

50

Insert 70:

Insert 90:

50 70

50 70 90

Insert 115:

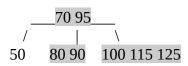
Insert 95:

Insert 100:

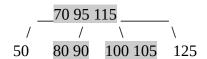
70 95 / | \ 50 90 100 115

Insert 80:

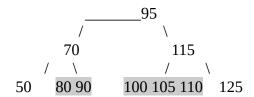
Insert 125:



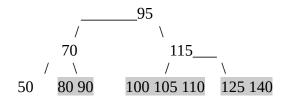
Insert 105:



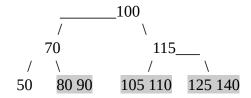
Insert 110:



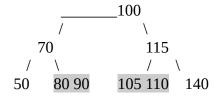
Insert 140:



Delete 95:



Delete 125:



Delete 105:

