run_train_distracted_drivers-orthog-norm-dense

August 4, 2016

The changes here are: - Orthogonal weight initialization - Decreasing learning rate by step size

```
In [1]: from skimage import io, transform, exposure, color, util
        import os, itertools, sys
        from PIL import Image
        %pylab inline
        sys.setrecursionlimit(1000000)
```

```
Populating the interactive namespace from numpy and matplotlib
```

```
In [2]: # data_dir = "/home/dylan/IdeaProjects/distracted_drivers/train/"
        data_dir =  "/media/dylan/Science/Kaggle-Data/distracted_drivers/train/"
```

```
In [3]: input_volume_shape = (128, 128)
```

```
In [4]: def read_img_file_PIL(file_path, size=(32,32)):
            img = Image.open(file_path).convert('L')
            img.thumbnail(size, Image.NEAREST)
            data = np.array(img)
            shape = data.shape
            append_top = int(ceil(max(0, size[0] - shape[0])/2.0))
            append_bot = int(floor(max(0, size[0] - shape[0])/2.0))
            data = util.pad(data, ((append_top, append_bot),
                                   (0,0)), mode='constant', constant_values=0)
            return data
```

```
In [5]: def read_img_file(file_path, rescale=0.01):
            img = io.imread(file_path)
            img= color.rgb2gray(img)
            return transform.rescale(img, rescale)
```

```
In [6]: def image_gen_from_dir(directory, batch_size, num_categories, size=input_volume_shape):
            result = {os.path.join(dp, f) : int(os.path.split(dp)[1]) for dp, dn, filenames in os.walk(
                        for f in filenames if os.path.splitext(f)[1] == '.jpg'}
            # infinite loop
            while True:
                image_files = []
                labels = []
                # randomly choose batch size samples in result
                for category in range(num_categories):
                    file_samples = np.random.choice([k for k, v in result.iteritems() if v == category]
                                    size=batch_size, replace=False)
                    for file_sample in file_samples:
                        image_files.append(read_img_file_PIL(file_sample, size=size))
                    labels.extend([v for v in itertools.repeat(category, batch_size)])
```

```
            # end category loop
            X = np.asarray(image_files, dtype=np.float32)
            # -1 to 1 range
            X = exposure.rescale_intensity(X, out_range=(-1,1))
            y = np.asarray(labels, dtype=np.int32)
            yield X, y
```

0.1 Another loader, augmentation time

We'll do 6 augmentations:

```
1.) Translation up to 10 pixels
2.) Rotation up to 15 degrees
3.) Zooming
4.) JPEG compression
5.) Sharpening
6.) Gamma correction
```

We won't do flips since the dataset only contains images from the passenger seat. Perhaps we can revisit this later.

In [7]:
```
from skimage.transform import rotate, warp, AffineTransform
from skimage import filters
from scipy import ndimage, misc
import StringIO
```

In [8]:
```
def random_translate(img):
    shift_random = AffineTransform(translation=(randint(-10, 10), randint(-10, 10)))
    min_value = 0 if min(img.ravel()) > 0 else min(img.ravel())
    return np.float32(warp(img, shift_random, mode='constant', cval=min_value))

def random_rotate(img):
    min_value = 0 if min(img.ravel()) > 0 else min(img.ravel())
    return np.float32(rotate(img, randint(-15, 15), mode='constant', cval=min_value))

def random_zoom(img):
    min_value = 0 if min(img.ravel()) > 0 else min(img.ravel())
    scale_random = AffineTransform(scale=(uniform(0.9, 1.1), uniform(0.9, 1.1)))
    return np.float32(warp(img, scale_random, mode='constant', cval=min_value))

def random_compress(img):
    max_v = np.ceil(img.max())
    min_v = np.floor(img.min())
    nd_im = exposure.rescale_intensity(img, out_range=(0, 1)).squeeze()
    nd_im = np.ndarray.astype(nd_im * 255, np.uint8)
    # nd_im = np.ndarray.astype(img * 255, np.uint8)
    im = Image.fromarray(nd_im)
    buf = StringIO.StringIO()
    im.save(buf, "JPEG", quality=np.random.randint(95, 99))
    buf.seek(0)
    im2 = Image.open(buf)
    x1 = exposure.rescale_intensity(np.ndarray.astype(np.array(im2), np.float32), out_range=(mi
    return x1
```

```
        def random_sharpening(img):
            blurred_f = ndimage.gaussian_filter(img, 0.5)
            filter_blurred_f = ndimage.gaussian_filter(blurred_f, 1)
            alpha = uniform(0.9, 1.2)
            img = blurred_f + alpha * (blurred_f - filter_blurred_f)
            return exposure.rescale_intensity(img, out_range=(-1 , 1))

        def random_gamma_correction(img):
            max_v = np.ceil(img.max())
            min_v = np.floor(img.min())
            img = exposure.rescale_intensity(img, out_range=(0,1))
            img = exposure.adjust_gamma(img, uniform(0.2, 0.8))
            return exposure.rescale_intensity(img, out_range=(-1, 1))
```

```
In [9]: def random_aug(img):
            choice = np.random.randint(0,6)
            # choose from 4 different augmentations!
            if choice == 0:
                return random_translate(img)
            elif choice == 1:
                return random_rotate(img)
            elif choice == 2:
                return random_zoom(img)
            elif choice == 3:
                return random_compress(img)
            elif choice == 4:
                return random_sharpening(img)
            else:
                return random_gamma_correction(img)
```

```
In [10]: def random_aug_batch(X, aug_algorithm):
             for i in range(X.shape[0]):
                 X[i] = aug_algorithm(X[i])
             return X
```

```
In [11]: def random_aug_gen(gen, aug_algorithm):
             for batchX, batchY in gen:
                 yield random_aug_batch(batchX, aug_algorithm), batchY
```

1 Process Generator with cached elements

```
In [12]: def threaded_generator(generator, num_cached=50):
             import Queue
             queue = Queue.Queue(maxsize=num_cached)
             sentinel = object()  # guaranteed unique reference

             # define producer (putting items into queue)
             def producer():
                 for item in generator:
                     queue.put(item)
                 queue.put(sentinel)

             # start producer (in a background thread)
             import threading
```

```
            thread = threading.Thread(target=producer)
            thread.daemon = True
            thread.start()

            # run as consumer (read items from queue, in current thread)
            item = queue.get()
            while item is not sentinel:
                yield item
                queue.task_done()
                item = queue.get()
```

In [13]:
```
from nolearn.lasagne import NeuralNet
from lasagne.layers import DenseLayer, ReshapeLayer, Upscale2DLayer, Conv2DLayer, InputLayer,
    MaxPool2DLayer, get_all_params, batch_norm
import numpy as np
from lasagne.nonlinearities import softmax, leaky_rectify, theano
from lasagne.updates import nesterov_momentum
from nolearn.lasagne import NeuralNet, BatchIterator, PrintLayerInfo, objective
from nolearn.lasagne import TrainSplit
from common import EarlyStopping, EndTrainingFromEarlyStopping
from lasagne.objectives import categorical_crossentropy, aggregate
import cPickle as pickle
from sklearn import metrics
import time, logging, logging.config, logging.handlers
from lasagne.init import Orthogonal
from notebook_functions import load_best_weights
```

```
Couldn't import dot_parser, loading of dot files will not be possible.

Using gpu device 0: GeForce GTX 960 (CNMeM is disabled, CuDNN 4004)
```

def batch_norm(s): return s

In [14]:
```
try:
    from lasagne.layers.dnn import Conv2DDNNLayer, MaxPool2DDNNLayer
    def conv_2_layer_stack(top, num_filters):
        conv1 = batch_norm(Conv2DDNNLayer(top, num_filters, (3, 3),
                stride=1, pad=1, nonlinearity=leaky_rectify, W=Orthogonal()))
        conv2 = batch_norm(Conv2DDNNLayer(conv1, num_filters, (3, 3),
                stride=1, pad=1, nonlinearity=leaky_rectify, W=Orthogonal()))
        return MaxPool2DDNNLayer(conv2, (2, 2), 2)

    def conv_3_layer_stack(top, num_filters):
        conv1 = batch_norm(Conv2DDNNLayer(top, num_filters, (3, 3),
                    stride=1, pad=1, nonlinearity=leaky_rectify, W=Orthogonal()))
        conv2 = batch_norm(Conv2DDNNLayer(conv1, num_filters, (3, 3),
                    stride=1, pad=1, nonlinearity=leaky_rectify, W=Orthogonal()))
        conv3 = batch_norm(Conv2DDNNLayer(conv2, num_filters, (3, 3),
                    stride=1, pad=1, nonlinearity=leaky_rectify, W=Orthogonal()))
        return MaxPool2DDNNLayer(conv3, (2, 2), 2)

    def conv_4_layer_stack(top, num_filters):
        conv1 = batch_norm(Conv2DDNNLayer(top, num_filters, (3, 3),
                    stride=1, pad=1, nonlinearity=leaky_rectify, W=Orthogonal()))
        conv2 = batch_norm(Conv2DDNNLayer(conv1, num_filters, (3, 3),
```

```
                stride=1, pad=1, nonlinearity=leaky_rectify, W=Orthogonal()))
        conv3 = batch_norm(Conv2DDNNLayer(conv2, num_filters, (3, 3),
                stride=1, pad=1, nonlinearity=leaky_rectify, W=Orthogonal()))
        conv4 = batch_norm(Conv2DDNNLayer(conv3, num_filters, (3, 3),
                stride=1, pad=1, nonlinearity=leaky_rectify, W=Orthogonal()))
        return MaxPool2DDNNLayer(conv4, (2, 2), 2)

    def conv_6_layer_stack(top, num_filters):
        conv1 = batch_norm(Conv2DDNNLayer(top, num_filters, (3, 3),
                stride=1, pad=1, nonlinearity=leaky_rectify, W=Orthogonal()))
        conv2 = batch_norm(Conv2DDNNLayer(conv1, num_filters, (3, 3),
                stride=1, pad=1, nonlinearity=leaky_rectify, W=Orthogonal()))
        conv3 = batch_norm(Conv2DDNNLayer(conv2, num_filters, (3, 3),
                stride=1, pad=1, nonlinearity=leaky_rectify, W=Orthogonal()))
        conv4 = batch_norm(Conv2DDNNLayer(conv3, num_filters, (3, 3),
                stride=1, pad=1, nonlinearity=leaky_rectify, W=Orthogonal()))
        conv5 = batch_norm(Conv2DDNNLayer(conv4, num_filters, (3, 3),
                stride=1, pad=1, nonlinearity=leaky_rectify, W=Orthogonal()))
        conv6 = batch_norm(Conv2DDNNLayer(conv5, num_filters, (3, 3),
                stride=1, pad=1, nonlinearity=leaky_rectify, W=Orthogonal()))
        return MaxPool2DLayer(conv6, (2, 2), 2)

except ImportError:
    def conv_2_layer_stack(top, num_filters):
        conv1 = batch_norm(Conv2DLayer(top, num_filters, (3, 3), stride=1, pad=1, nonlinearity=
        conv2 = batch_norm(Conv2DLayer(conv1, num_filters, (3, 3), stride=1, pad=1, nonlinearit
        return MaxPool2DLayer(conv2, (2, 2), 2)

    def conv_3_layer_stack(top, num_filters):
        conv1 = batch_norm(Conv2DLayer(top, num_filters, (3, 3), stride=1, pad=1, nonlinearity=
        conv2 = batch_norm(Conv2DLayer(conv1, num_filters, (3, 3), stride=1, pad=1, nonlinearit
        conv3 = batch_norm(Conv2DLayer(conv2, num_filters, (3, 3), stride=1, pad=1, nonlinearit
        return MaxPool2DLayer(conv3, (2, 2), 2)

    def conv_4_layer_stack(top, num_filters):
        conv1 = batch_norm(Conv2DLayer(top, num_filters, (3, 3), stride=1, pad=1, nonlinearity=
        conv2 = batch_norm(Conv2DLayer(conv1, num_filters, (3, 3), stride=1, pad=1, nonlinearit
        conv3 = batch_norm(Conv2DLayer(conv2, num_filters, (3, 3), stride=1, pad=1, nonlinearit
        conv4 = batch_norm(Conv2DLayer(conv3, num_filters, (3, 3), stride=1, pad=1, nonlinearit
        return MaxPool2DLayer(conv4, (2, 2), 2)

    def conv_6_layer_stack(top, num_filters):
        conv1 = batch_norm(Conv2DLayer(top, num_filters, (3, 3), stride=1, pad=1, nonlinearity=
        conv2 = batch_norm(Conv2DLayer(conv1, num_filters, (3, 3), stride=1, pad=1, nonlinearit
        conv3 = batch_norm(Conv2DLayer(conv2, num_filters, (3, 3), stride=1, pad=1, nonlinearit
        conv4 = batch_norm(Conv2DLayer(conv3, num_filters, (3, 3), stride=1, pad=1, nonlinearit
        conv5 = batch_norm(Conv2DLayer(conv4, num_filters, (3, 3), stride=1, pad=1, nonlinearit
        conv6 = batch_norm(Conv2DLayer(conv5, num_filters, (3, 3), stride=1, pad=1, nonlinearit
        return MaxPool2DLayer(conv6, (2, 2), 2)
```

In [15]:
```
input_layer = InputLayer((None, 1, input_volume_shape[0], input_volume_shape[1]))
conv_stack_1 = conv_2_layer_stack(input_layer, 32)
dropout1 = DropoutLayer(conv_stack_1, p=0.1)
```

```
conv_stack_2 = conv_2_layer_stack(dropout1, 64)
dropout2 = DropoutLayer(conv_stack_2, p=0.2)

conv_stack_3 = conv_2_layer_stack(dropout2, 128)
dropout3 = DropoutLayer(conv_stack_3, p=0.3)

conv_stack_4 = conv_2_layer_stack(dropout3, 256)
dropout4 = DropoutLayer(conv_stack_4, p=0.4)

conv_stack_5 = conv_2_layer_stack(dropout4, 512)
dropout17 = DropoutLayer(conv_stack_5, p=0.5)

dense18 = batch_norm(DenseLayer(dropout17, 2048, nonlinearity=leaky_rectify))
dropout19 = DropoutLayer(dense18, p=0.5)

dense20 = batch_norm(DenseLayer(dropout19, 2048, nonlinearity=leaky_rectify))
softmax21 = DenseLayer(dense20, 10, nonlinearity=softmax)
```

1.1 Quality of Life Functions

In [16]:
```
if not os.path.exists("logs"):
    os.mkdir("logs")
logging.config.fileConfig("logging-training.conf")

def regularization_objective(layers, lambda1=0., lambda2=0., *args, **kwargs):
    # default loss
    losses = objective(layers, *args, **kwargs)
    # get layer weights except for the biases
    weights = get_all_params(layers[-1], regularizable=True)
    regularization_term = 0.0
    # sum of abs weights for L1 regularization
    if lambda1 != 0.0:
        sum_abs_weights = sum([abs(w).sum() for w in weights])
        regularization_term += (lambda1 * sum_abs_weights)
    # sum of squares (sum(theta^2))
    if lambda2 != 0.0:
        sum_squared_weights = (1 / 2.0) * sum([(w ** 2).sum() for w in weights])
        regularization_term += (lambda2 * sum_squared_weights)
    # add weights to regular loss
    losses += regularization_term
    return losses

def eval_regularization(net):
    if net.objective_lambda1 == 0 and net.objective_lambda2 == 0:
        return 0
    # check the loss if the regularization term is not overpowering the loss
    weights = get_all_params(net.layers_[-1], regularizable=True)
    # sum of abs weights for L1 regularization
    sum_abs_weights = sum([abs(w).sum() for w in weights])
    # sum of squares (sum(theta^2))
    sum_squared_weights = (1 / 2.0) * sum([(w ** 2).sum() for w in weights])
    # add weights to regular loss
    regularization_term = (net.objective_lambda1 * sum_abs_weights) \
                          + (net.objective_lambda2 * sum_squared_weights)
```

```
    return regularization_term


def print_regularization_term(net):
    if net.objective_lambda1 > 0.0 or net.objective_lambda2 > 0.0:
        regularization_term = eval_regularization(net)
        print "Regularization term: {}".format(regularization_term.eval())

def validation_set_loss(_net, _X, _y):
    """We need this to track the validation loss"""
    _yb = _net.predict_proba(_X)
    _y_pred = np.argmax(_yb, axis=1)
    _acc = metrics.accuracy_score(_y, _y_pred)
    loss = aggregate(categorical_crossentropy(_yb, _y))
    loss += eval_regularization(_net)
    return loss, _acc


def store_model(model_file_name, net):
    directory_name = os.path.dirname(model_file_name)
    model_file_name = os.path.basename(model_file_name)
    if not os.path.exists(directory_name):
        os.makedirs(directory_name)
    # write model
    output_model_file_name = os.path.join(directory_name, model_file_name)
    start_write_time = time.time()
    if os.path.isfile(output_model_file_name):
        os.remove(output_model_file_name)
    with open(output_model_file_name, 'wb') as experiment_model:
        pickle.dump(net, experiment_model)
    total_write_time = time.time() - start_write_time
    m, s = divmod(total_write_time, 60)
    h, m = divmod(m, 60)
    logging.log(logging.INFO, "Duration of saving to disk: %0d:%02d:%02d", h, m, s)

def write_validation_loss_and_store_best(validation_file_name, best_weights_file_name,
                                         net, X_val, y_val, best_vloss, best_acc):
    # write validation loss
    start_validate_time = time.time()
    vLoss, vAcc = validation_set_loss(net, X_val, y_val)
    loss = vLoss.eval()
    current_epoch = net.train_history_[-1]['epoch']
    with open(validation_file_name, 'a') as validation_file:
        validation_file.write("{}, {}, {}\n".format(current_epoch, loss, vAcc))

    total_validate_time = time.time() - start_validate_time
    m, s = divmod(total_validate_time, 60)
    h, m = divmod(m, 60)
    logging.log(logging.INFO, "Duration of validation: %0d:%02d:%02d", h, m, s)

    # store best weights here
    if loss < best_vloss:
        start_bw_time = time.time()
        best_vloss = loss
```

```
            best_acc = vAcc
            with open(best_weights_file_name, 'wb') as best_model_file:
                pickle.dump(net.get_all_params_values(), best_model_file, -1)

        return best_vloss, best_acc


    class AdjustVariableWithStepSize(object):
        """This class adjusts any variable during training
        """

        def __init__(self, name, start=0.03, steps=3, after_epochs=2000):
            self.name = name
            self.start = start
            self.steps=steps
            self.after_epochs=after_epochs
            self.ls = []

        def __call__(self, nn, train_history):
            if not self.ls:
                for i in range(self.steps):
                    self.ls.extend(np.repeat(self.start/(np.power(10,i)), self.after_epochs))

            try:
                epoch = train_history[-1]['epoch']
                new_value = np.float32(self.ls[epoch - 1])
                getattr(nn, self.name).set_value(new_value)
            except IndexError:
                pass
```

1.2 CNN

In [17]:
```
lambda1 = 0.0
lambda2 = 5e-3

net = NeuralNet(
    layers=softmax21,
    max_epochs=1,
    update=nesterov_momentum,
    update_learning_rate=theano.shared(np.float32(0.001)),
    update_momentum = 0.99,
    # update=adam,
    on_epoch_finished=[
        EarlyStopping(patience=1000),
        AdjustVariableWithStepSize('update_learning_rate', start=0.001, steps=3, after_epochs=
    ],
    on_training_finished=[
        EndTrainingFromEarlyStopping()
    ],
    objective=regularization_objective,
    objective_lambda2=lambda2,
    objective_lambda1=lambda1,
    batch_iterator_train=BatchIterator(batch_size=100),
    train_split=TrainSplit(
```

```
            eval_size=0.25),
        # train_split=TrainSplit(eval_size=0.0),
        verbose=3,
    )
```

```
In [18]: p = PrintLayerInfo()
         net.initialize()
         # p(net)
```

1.2.1 load cnn instead

```
In [19]: dir_name = 'net.vgg.large.l2.5e3.orthog-norm-dense-more-after-epochs'
         validation_file_name = "{}/vloss-{}.txt".format(dir_name, dir_name)
         model_file_name = "{}/{}.pickle".format(dir_name, dir_name)
         best_weights_file_name = "{}/bw-{}.weights".format(dir_name, dir_name)
         if os.path.exists(dir_name):
             print "Model exists. Loading {}.".format(dir_name)
             with open(model_file_name, 'rb') as reader:
                 net = pickle.load(reader)
         else:
             print "Training model from the beginning {}".format(dir_name)
```

```
Model exists. Loading net.vgg.large.l2.5e3.orthog-norm-dense-more-after-epochs.
```

load_best_weights(best_weights_file_name, net)

1.3 Define validation set

```
In [20]: val_dir =  "/media/dylan/Science/Kaggle-Data/distracted_drivers/val/"
         X_val, y_val = image_gen_from_dir(val_dir, 40, 10, size=input_volume_shape).next()
         X_val = X_val.reshape(-1, 1, input_volume_shape[0], input_volume_shape[1])
```

```
In [21]: image_gen = image_gen_from_dir(data_dir, 10, 10, size=input_volume_shape)
         gen = random_aug_gen(image_gen, random_aug)
         threaded_gen = threaded_generator(gen, num_cached=100)

         ops_every = 500
         best_acc = 0.0
         best_vloss = np.inf

         start_time = time.time()
         try:
             for step, (inputs, targets) in enumerate(threaded_gen):
                 shape = inputs.shape
                 net.fit(inputs.reshape(shape[0],1, shape[1], shape[2]), targets)
                 if (step + 1) % ops_every == 0:
                     print_regularization_term(net)
                     store_model(model_file_name, net)
                     # center validation
                     best_vloss, best_acc = write_validation_loss_and_store_best(
                         validation_file_name, best_weights_file_name, net, X_val, y_val, best_vloss, b

         except StopIteration:
             # terminate if already early stopping
             with open(model_file_name, 'wb') as writer:
```

```
                pickle.dump(net, writer)
            total_time = time.time() - start_time
            print("Training successful by early stopping. Elapsed: {}".format(total_time))
```

3201	1.76551	1.67540	1.05378	1.00000	1.06s
3202	1.74347	1.67414	1.04141	1.00000	1.01s
3203	1.71007	1.67029	1.02382	1.00000	1.01s
3204	1.70057	1.74200	0.97622	0.96667	1.01s
3205	1.80073	1.67709	1.07372	1.00000	1.00s
3206	1.73816	1.67225	1.03941	1.00000	1.02s
3207	1.76680	1.71072	1.03278	1.00000	1.01s
3208	1.74839	1.92961	0.90608	0.96667	1.02s
3209	1.76075	1.76525	0.99745	0.93333	1.01s
3210	1.68818	1.69289	0.99722	1.00000	1.03s
3211	1.71536	1.67208	1.02588	1.00000	1.01s
3212	1.69610	1.74255	0.97335	0.96667	1.01s
3213	1.69817	1.70520	0.99588	1.00000	1.02s
3214	1.77279	1.72030	1.03051	0.96667	1.02s
3215	1.78062	1.67110	1.06554	1.00000	1.03s
3216	1.68566	1.67861	1.00420	1.00000	1.02s
3217	1.69659	1.76954	0.95878	0.96667	1.03s
3218	1.69861	1.70139	0.99836	0.96667	1.09s
3219	1.70536	1.69345	1.00703	1.00000	1.03s
3220	1.79537	1.67366	1.07272	1.00000	1.01s
3221	1.68786	1.79319	0.94126	0.96667	1.02s
3222	1.71604	1.82865	0.93842	0.93333	1.03s
3223	1.70001	1.69003	1.00590	1.00000	1.03s
3224	1.70833	1.67318	1.02101	1.00000	1.02s
3225	1.73132	1.66688	1.03866	1.00000	1.03s
3226	1.68356	1.66620	1.01041	1.00000	1.01s
3227	1.73318	1.67848	1.03259	1.00000	1.02s
3228	1.70337	1.66379	1.02379	1.00000	1.02s
3229	1.71795	1.66830	1.02976	1.00000	1.01s
3230	1.69128	1.66951	1.01304	1.00000	1.02s
3231	1.68078	1.68776	0.99587	1.00000	1.01s
3232	1.67242	1.66926	1.00189	1.00000	1.02s
3233	1.71064	1.66515	1.02732	1.00000	1.02s
3234	1.71073	1.66367	1.02829	1.00000	1.02s
3235	1.70631	1.66208	1.02661	1.00000	1.02s
3236	1.74481	1.66134	1.05024	1.00000	1.02s
3237	1.72280	1.66158	1.03684	1.00000	1.01s
3238	1.69664	1.67725	1.01156	1.00000	1.00s
3239	1.68731	1.66511	1.01333	1.00000	0.97s
3240	1.67719	1.66343	1.00827	1.00000	1.02s
3241	1.77548	1.65915	1.07012	1.00000	1.02s
3242	1.72602	1.65724	1.04150	1.00000	1.01s
3243	1.67777	1.68911	0.99329	1.00000	1.01s
3244	1.74633	1.71010	1.02119	0.96667	1.02s
3245	1.68839	1.70635	0.98948	0.96667	1.03s
3246	1.68133	1.65626	1.01514	1.00000	1.02s
3247	1.67773	1.66610	1.00698	1.00000	1.01s
3248	1.76346	1.65324	1.06667	1.00000	1.02s
3249	1.74972	1.68077	1.04102	1.00000	1.01s
3250	1.67912	1.65851	1.01243	1.00000	1.03s

3251	1.68873	1.67088	1.01068	1.00000	1.02s
3252	1.67023	1.67422	0.99762	1.00000	1.02s
3253	1.68823	1.66161	1.01602	1.00000	1.00s
3254	1.68158	1.65843	1.01396	1.00000	1.02s
3255	1.72666	1.64994	1.04649	1.00000	1.03s
3256	1.67988	1.65677	1.01395	1.00000	1.02s
3257	1.67675	1.66917	1.00454	1.00000	1.02s
3258	1.66107	1.65626	1.00291	1.00000	1.02s
3259	1.67452	1.65498	1.01181	1.00000	1.05s
3260	1.77653	1.92347	0.92361	0.96667	1.02s
3261	1.66660	1.64574	1.01268	1.00000	1.03s
3262	1.72744	1.69582	1.01865	0.96667	1.03s
3263	1.66701	1.65079	1.00983	1.00000	1.03s
3264	1.70380	1.81023	0.94121	0.96667	1.02s
3265	1.68671	1.94649	0.86654	0.93333	1.03s
3266	1.76903	1.64496	1.07543	1.00000	1.03s
3267	1.69121	1.67866	1.00748	1.00000	1.04s
3268	1.66411	1.65689	1.00436	1.00000	1.01s
3269	1.65943	1.65060	1.00535	1.00000	1.01s
3270	1.73285	1.65122	1.04943	1.00000	1.03s
3271	1.69043	1.64939	1.02488	1.00000	1.02s
3272	1.67455	1.67266	1.00113	1.00000	1.03s
3273	1.69935	1.68753	1.00700	0.96667	1.01s
3274	1.67622	1.64029	1.02190	1.00000	1.02s
3275	1.71656	1.64394	1.04417	1.00000	1.00s
3276	1.64341	1.64082	1.00158	1.00000	1.02s
3277	1.67387	1.63803	1.02188	1.00000	1.01s
3278	1.68000	1.65388	1.01579	1.00000	1.03s
3279	1.67621	1.65532	1.01262	1.00000	1.02s
3280	1.65307	1.64287	1.00621	1.00000	1.02s
3281	1.75999	1.63520	1.07632	1.00000	1.03s
3282	1.69049	1.63262	1.03545	1.00000	1.03s
3283	1.66049	1.62861	1.01957	1.00000	1.02s
3284	1.66163	1.65690	1.00286	1.00000	1.01s
3285	1.72248	1.64224	1.04886	1.00000	1.03s
3286	1.73479	1.77924	0.97502	0.96667	1.01s
3287	1.65026	1.63061	1.01205	1.00000	1.02s
3288	1.72899	1.62655	1.06298	1.00000	0.96s
3289	1.69214	1.62965	1.03835	1.00000	0.96s
3290	1.64975	1.63507	1.00897	1.00000	0.96s
3291	1.65321	1.62906	1.01482	1.00000	0.95s
3292	1.65211	1.84402	0.89593	0.93333	0.96s
3293	1.68897	1.62869	1.03701	1.00000	0.96s
3294	1.69237	1.66277	1.01780	1.00000	0.96s
3295	1.68065	1.73272	0.96995	0.96667	0.97s
3296	1.63548	1.62754	1.00488	1.00000	0.97s
3297	1.66980	1.63395	1.02194	1.00000	0.95s
3298	1.70525	1.61618	1.05511	1.00000	0.96s
3299	1.66848	1.62460	1.02701	1.00000	0.96s
3300	1.69391	1.70222	0.99512	0.96667	0.95s
3301	1.67082	1.64063	1.01840	1.00000	0.96s
3302	1.62899	1.64433	0.99067	1.00000	0.95s
3303	1.64584	1.63059	1.00935	1.00000	0.96s
3304	1.63718	1.69035	0.96854	0.96667	0.95s

3305	1.66071	1.61195	1.03025	1.00000	0.95s
3306	1.65513	1.60991	1.02809	1.00000	0.95s
3307	1.68325	1.60832	1.04659	1.00000	0.95s
3308	1.65230	1.62542	1.01653	1.00000	0.95s
3309	1.63446	1.60593	1.01776	1.00000	0.96s
3310	1.64614	1.63150	1.00897	1.00000	0.97s
3311	1.66055	1.62685	1.02071	1.00000	0.96s
3312	1.65044	1.76366	0.93580	0.96667	0.96s
3313	1.63343	1.60714	1.01636	1.00000	0.96s
3314	1.62646	1.60809	1.01142	1.00000	0.95s
3315	1.71423	1.68204	1.01914	0.96667	0.96s
3316	1.63818	1.61630	1.01353	1.00000	0.95s
3317	1.61363	1.60752	1.00380	1.00000	0.96s
3318	1.61596	1.61294	1.00187	1.00000	0.96s
3319	1.63411	1.72518	0.94721	0.96667	0.96s
3320	1.60913	1.59508	1.00881	1.00000	0.95s
3321	1.68863	1.59451	1.05903	1.00000	0.96s
3322	1.63475	1.60163	1.02068	1.00000	0.95s
3323	1.67661	1.78524	0.93915	0.96667	0.96s
3324	1.64400	1.60066	1.02708	1.00000	0.96s
3325	1.62436	1.62609	0.99894	1.00000	0.96s
3326	1.62099	1.59511	1.01622	1.00000	0.95s
3327	1.62018	1.59123	1.01819	1.00000	0.95s
3328	1.60983	1.58530	1.01547	1.00000	0.96s
3329	1.63137	1.59853	1.02055	1.00000	0.96s
3330	1.62269	1.58374	1.02459	1.00000	0.96s
3331	1.61379	1.59494	1.01182	1.00000	0.97s
3332	1.62013	1.59192	1.01772	1.00000	0.96s
3333	1.60437	1.58424	1.01271	1.00000	0.96s
3334	1.61178	1.58096	1.01949	1.00000	0.96s
3335	1.66781	1.73573	0.96087	0.93333	0.96s
3336	1.62432	1.61560	1.00540	1.00000	0.96s
3337	1.63432	1.70399	0.95911	0.96667	0.95s
3338	1.66071	1.60531	1.03451	1.00000	0.95s
3339	1.67501	1.60871	1.04121	0.96667	0.96s
3340	1.60426	1.58760	1.01049	1.00000	0.96s
3341	1.61516	1.61414	1.00063	0.96667	0.95s
3342	1.64734	1.64193	1.00330	0.96667	0.95s
3343	1.60139	1.59965	1.00109	1.00000	0.95s
3344	1.65088	1.57136	1.05061	1.00000	0.95s
3345	1.61393	1.57005	1.02795	1.00000	0.96s
3346	1.60705	1.57375	1.02116	1.00000	0.96s
3347	1.65648	1.57833	1.04951	1.00000	0.96s
3348	1.58475	1.62168	0.97723	0.96667	0.97s
3349	1.60212	1.56269	1.02523	1.00000	0.95s
3350	1.58212	1.56923	1.00821	1.00000	0.95s
3351	1.64837	1.77310	0.92965	0.86667	0.96s
3352	1.67410	1.57073	1.06581	1.00000	0.96s
3353	1.62400	1.56137	1.04012	1.00000	0.96s
3354	1.62517	1.57277	1.03332	1.00000	0.94s
3355	1.57242	1.55984	1.00806	1.00000	0.96s
3356	1.68329	1.55987	1.07912	1.00000	0.94s
3357	1.62696	1.56389	1.04033	1.00000	0.96s
3358	1.57501	1.58578	0.99321	1.00000	0.95s

3359	1.60980	1.55211	1.03717	1.00000	0.95s
3360	1.56567	1.56167	1.00256	1.00000	0.96s
3361	1.57241	1.61533	0.97343	0.96667	0.95s
3362	1.62412	1.56532	1.03757	1.00000	0.96s
3363	1.67218	1.57812	1.05960	1.00000	0.96s
3364	1.61454	1.55903	1.03561	1.00000	0.95s
3365	1.55863	1.55367	1.00319	1.00000	0.96s
3366	1.57443	1.55321	1.01366	1.00000	0.96s
3367	1.58893	1.55496	1.02184	1.00000	0.96s
3368	1.58744	1.54787	1.02556	1.00000	0.96s
3369	1.57189	1.69873	0.92533	0.96667	0.96s
3370	1.61283	1.55633	1.03630	1.00000	0.95s
3371	1.60428	1.67596	0.95723	0.96667	0.96s
3372	1.55340	1.53821	1.00988	1.00000	0.95s
3373	1.58057	1.54984	1.01983	1.00000	0.95s
3374	1.55666	1.54652	1.00656	1.00000	0.96s
3375	1.55225	1.55906	0.99564	1.00000	0.95s
3376	1.58953	1.57868	1.00687	1.00000	0.96s
3377	1.56607	1.56495	1.00072	1.00000	0.95s
3378	1.54870	1.53773	1.00713	1.00000	0.96s
3379	1.59900	1.58104	1.01136	1.00000	0.96s
3380	1.54991	1.76072	0.88027	0.93333	0.95s
3381	1.61341	1.55672	1.03642	1.00000	0.96s
3382	1.61049	1.53951	1.04611	1.00000	0.96s
3383	1.55582	1.52863	1.01779	1.00000	0.96s
3384	1.54895	1.54486	1.00265	1.00000	0.96s
3385	1.56059	1.64012	0.95151	0.96667	0.96s
3386	1.54805	1.70550	0.90768	0.96667	0.96s
3387	1.54367	1.68003	0.91883	0.96667	0.96s
3388	1.57473	1.52765	1.03082	1.00000	0.96s
3389	1.53280	1.54033	0.99511	1.00000	0.96s
3390	1.55341	1.52492	1.01868	1.00000	0.96s
3391	1.60129	1.57346	1.01768	0.96667	0.95s
3392	1.59480	1.61782	0.98577	0.96667	0.95s
3393	1.54369	1.54465	0.99938	1.00000	0.97s
3394	1.56205	1.53571	1.01715	1.00000	0.96s
3395	1.53600	1.56308	0.98267	1.00000	0.96s
3396	1.57490	1.51617	1.03874	1.00000	0.96s
3397	1.54784	1.64754	0.93948	0.93333	0.97s
3398	1.54960	1.51401	1.02351	1.00000	0.96s
3399	1.60066	1.51082	1.05946	1.00000	0.96s
3400	1.52998	1.52162	1.00549	1.00000	0.97s
3401	1.58317	1.53954	1.02833	1.00000	0.96s
3402	1.52381	1.51479	1.00596	1.00000	0.95s
3403	1.54899	1.51091	1.02520	1.00000	0.96s
3404	1.59153	1.54143	1.03250	0.96667	0.97s
3405	1.56670	1.60649	0.97523	0.96667	0.95s
3406	1.54161	1.61150	0.95663	0.96667	0.96s
3407	1.51723	1.49980	1.01162	1.00000	0.96s
3408	1.53763	1.56295	0.98380	0.96667	0.95s
3409	1.58981	1.50430	1.05684	1.00000	0.97s
3410	1.55397	1.49853	1.03700	1.00000	0.96s
3411	1.59891	1.52210	1.05046	1.00000	0.96s
3412	1.52400	1.49943	1.01639	1.00000	0.96s

3413	1.50402	1.52507	0.98620	1.00000	0.96s
3414	1.54467	1.59831	0.96643	0.96667	0.97s
3415	1.55521	1.49339	1.04140	1.00000	0.97s
3416	1.56185	1.49425	1.04524	1.00000	0.96s
3417	1.50930	1.49933	1.00665	1.00000	0.97s
3418	1.52706	1.48905	1.02552	1.00000	0.96s
3419	1.57533	1.48651	1.05975	1.00000	0.95s
3420	1.51644	1.52108	0.99695	1.00000	0.97s
3421	1.52091	1.49040	1.02046	1.00000	1.00s
3422	1.50570	1.64550	0.91504	0.96667	1.02s
3423	1.54726	1.48474	1.04211	1.00000	0.98s
3424	1.52213	1.52362	0.99902	0.96667	0.97s
3425	1.53577	1.48539	1.03392	1.00000	0.98s
3426	1.49530	1.51031	0.99006	1.00000	0.99s
3427	1.52856	1.48587	1.02873	1.00000	0.99s
3428	1.49663	1.50191	0.99648	1.00000	0.98s
3429	1.56527	1.47555	1.06080	1.00000	0.97s
3430	1.49024	1.49444	0.99719	1.00000	0.95s
3431	1.49695	1.50109	0.99724	1.00000	0.95s
3432	1.56275	1.53306	1.01936	0.96667	0.96s
3433	1.50244	1.47056	1.02168	1.00000	0.96s
3434	1.55031	1.47211	1.05312	1.00000	0.95s
3435	1.48781	1.58389	0.93934	0.96667	0.96s
3436	1.48178	1.46970	1.00822	1.00000	0.95s
3437	1.50179	1.47057	1.02123	1.00000	0.95s
3438	1.51930	1.47390	1.03080	1.00000	0.96s
3439	1.48191	1.54269	0.96060	0.96667	0.96s
3440	1.48917	1.47402	1.01028	1.00000	0.95s
3441	1.49732	1.48812	1.00618	1.00000	0.96s
3442	1.50218	1.48094	1.01434	1.00000	0.95s
3443	1.50711	1.46179	1.03101	1.00000	0.97s
3444	1.51042	1.48136	1.01961	1.00000	0.96s
3445	1.50436	1.52400	0.98711	0.96667	0.95s
3446	1.50524	1.45558	1.03412	1.00000	0.96s
3447	1.47503	1.49160	0.98889	0.96667	0.95s
3448	1.48099	1.46496	1.01094	1.00000	0.96s
3449	1.49270	1.47151	1.01440	1.00000	0.94s
3450	1.48621	1.45403	1.02213	1.00000	0.96s
3451	1.49540	1.45553	1.02739	1.00000	0.97s
3452	1.47125	1.44941	1.01506	1.00000	0.96s
3453	1.47589	1.45054	1.01748	1.00000	0.95s
3454	1.48615	1.44598	1.02778	1.00000	0.96s
3455	1.46718	1.47968	0.99155	1.00000	0.95s
3456	1.48331	1.47702	1.00426	1.00000	0.95s
3457	1.47702	1.63941	0.90094	0.90000	0.96s
3458	1.46557	1.56984	0.93358	0.93333	0.96s
3459	1.47848	1.45462	1.01640	1.00000	0.95s
3460	1.49854	1.44297	1.03851	1.00000	0.96s
3461	1.47719	1.44207	1.02435	1.00000	0.95s
3462	1.50192	1.44581	1.03881	1.00000	0.95s
3463	1.49873	1.44285	1.03873	1.00000	0.95s
3464	1.48043	1.47273	1.00523	0.96667	0.96s
3465	1.45156	1.43595	1.01087	1.00000	0.95s
3466	1.46555	1.43509	1.02123	1.00000	0.95s

3467	1.46394	1.43393	1.02093	1.00000	0.96s
3468	1.52249	1.49859	1.01595	0.96667	0.95s
3469	1.46218	1.43018	1.02237	1.00000	0.95s
3470	1.47425	1.45809	1.01108	0.96667	0.95s
3471	1.48249	1.47604	1.00437	0.96667	0.96s
3472	1.51129	1.42680	1.05921	1.00000	0.96s
3473	1.53254	1.61110	0.95124	0.96667	1.02s
3474	1.44945	1.43062	1.01316	1.00000	0.96s
3475	1.45392	1.42372	1.02121	1.00000	0.96s
3476	1.47937	1.43189	1.03315	1.00000	0.96s
3477	1.50365	1.47762	1.01762	0.96667	0.95s
3478	1.45041	1.42686	1.01650	1.00000	0.96s
3479	1.44032	1.41571	1.01738	1.00000	0.95s
3480	1.44351	1.42501	1.01299	1.00000	0.96s
3481	1.47814	1.41296	1.04613	1.00000	0.96s
3482	1.44142	1.42556	1.01113	1.00000	0.96s
3483	1.43213	1.45033	0.98745	1.00000	0.96s
3484	1.47963	1.49425	0.99021	0.96667	0.95s
3485	1.43680	1.41600	1.01469	1.00000	0.95s
3486	1.54530	1.40778	1.09768	1.00000	0.96s
3487	1.43557	1.52766	0.93972	0.96667	0.95s
3488	1.46946	1.43908	1.02111	1.00000	0.95s
3489	1.42506	1.44457	0.98649	0.96667	0.95s
3490	1.44673	1.41656	1.02130	1.00000	0.96s
3491	1.45067	1.41504	1.02518	1.00000	0.96s
3492	1.42737	1.40697	1.01450	1.00000	0.96s
3493	1.42121	1.40894	1.00871	1.00000	0.94s
3494	1.41857	1.40666	1.00847	1.00000	0.95s
3495	1.49109	1.49956	0.99435	0.96667	0.95s
3496	1.42139	1.46820	0.96812	0.96667	0.95s
3497	1.46128	1.42240	1.02733	0.96667	0.96s
3498	1.48828	1.40835	1.05676	1.00000	0.95s
3499	1.42185	1.40363	1.01298	1.00000	0.96s
3500	1.41963	1.49006	0.95273	0.96667	0.97s
3501	1.45341	1.41582	1.02655	1.00000	0.96s
3502	1.42913	1.79698	0.79530	0.90000	0.96s
3503	1.46108	1.38853	1.05225	1.00000	0.96s
3504	1.41334	1.39137	1.01579	1.00000	0.96s
3505	1.40893	1.47574	0.95473	0.96667	0.95s
3506	1.44549	1.39469	1.03642	1.00000	0.95s
3507	1.41784	1.38667	1.02247	1.00000	0.95s
3508	1.42606	1.38408	1.03033	1.00000	0.95s
3509	1.43752	1.38241	1.03987	1.00000	0.95s
3510	1.40228	1.38475	1.01266	1.00000	0.96s
3511	1.41199	1.41723	0.99630	1.00000	0.96s
3512	1.44488	1.39825	1.03335	1.00000	0.95s
3513	1.41598	1.38281	1.02398	1.00000	0.95s
3514	1.42897	1.38005	1.03545	1.00000	0.96s
3515	1.41568	1.49307	0.94817	0.96667	0.96s
3516	1.49558	1.38516	1.07972	1.00000	0.95s
3517	1.41149	1.38143	1.02175	1.00000	0.96s
3518	1.38921	1.43603	0.96739	0.96667	0.97s
3519	1.41611	1.38563	1.02199	1.00000	0.96s
3520	1.50911	1.39001	1.08568	1.00000	0.96s

3521	1.47075	1.41162	1.04188	1.00000	0.95s
3522	1.40505	1.37177	1.02426	1.00000	0.96s
3523	1.43331	1.36589	1.04936	1.00000	0.95s
3524	1.40500	1.37104	1.02477	1.00000	0.95s
3525	1.43436	1.36787	1.04860	1.00000	0.95s
3526	1.42158	1.41243	1.00648	1.00000	0.95s
3527	1.47294	1.38366	1.06453	1.00000	0.95s
3528	1.43000	1.45895	0.98015	0.96667	0.96s
3529	1.38403	1.41891	0.97542	0.96667	0.96s
3530	1.38398	1.36830	1.01146	1.00000	0.97s
3531	1.40264	1.36068	1.03084	1.00000	0.96s
3532	1.42361	1.43992	0.98867	0.96667	0.96s
3533	1.37044	1.41416	0.96909	0.96667	0.96s
3534	1.40823	1.38781	1.01471	1.00000	0.96s
3535	1.36832	1.37254	0.99693	1.00000	0.95s
3536	1.39791	1.36337	1.02533	1.00000	0.96s
3537	1.39519	1.35456	1.02999	1.00000	0.96s
3538	1.47225	1.47501	0.99813	0.96667	0.96s
3539	1.38130	1.35453	1.01976	1.00000	0.95s
3540	1.38609	1.35565	1.02245	1.00000	0.96s
3541	1.39205	1.35167	1.02988	1.00000	0.95s
3542	1.37098	1.36081	1.00747	1.00000	0.96s
3543	1.36950	1.35682	1.00935	1.00000	0.96s
3544	1.36053	1.34158	1.01413	1.00000	0.95s
3545	1.39727	1.35184	1.03361	1.00000	0.96s
3546	1.38392	1.34976	1.02530	1.00000	0.97s
3547	1.42736	1.34200	1.06361	1.00000	0.97s
3548	1.35117	1.45578	0.92814	0.93333	0.96s
3549	1.41515	1.42284	0.99459	1.00000	0.96s
3550	1.34715	1.34585	1.00096	1.00000	0.96s
3551	1.40658	1.36167	1.03298	1.00000	0.97s
3552	1.37361	1.34515	1.02115	1.00000	0.96s
3553	1.37711	1.36627	1.00794	0.96667	0.96s
3554	1.37908	1.33097	1.03615	1.00000	0.96s
3555	1.36446	1.33294	1.02365	1.00000	0.96s
3556	1.39863	1.41211	0.99046	0.96667	0.96s
3557	1.38601	1.33849	1.03551	1.00000	0.96s
3558	1.38272	1.32636	1.04249	1.00000	0.95s
3559	1.34475	1.41374	0.95120	0.96667	0.95s
3560	1.36572	1.33029	1.02663	1.00000	0.95s
3561	1.37053	1.54028	0.88980	0.93333	0.96s
3562	1.35292	1.32866	1.01826	1.00000	0.96s
3563	1.40433	1.34532	1.04387	1.00000	0.95s
3564	1.36916	1.33711	1.02397	1.00000	0.95s
3565	1.43076	1.32356	1.08099	1.00000	0.96s
3566	1.34519	1.33102	1.01064	1.00000	0.95s
3567	1.51155	1.41920	1.06507	0.93333	0.96s
3568	1.35531	1.50326	0.90158	0.96667	0.96s
3569	1.35330	1.34640	1.00513	1.00000	0.96s
3570	1.38126	1.33439	1.03513	1.00000	0.95s
3571	1.34281	1.37516	0.97647	1.00000	0.96s
3572	1.39976	1.34725	1.03897	0.96667	0.96s
3573	1.34675	1.34952	0.99795	0.96667	0.97s
3574	1.34461	1.36569	0.98457	0.96667	0.96s

3575	1.37762	1.32397	1.04052	1.00000	0.95s
3576	1.34400	1.31774	1.01993	1.00000	0.95s
3577	1.38518	1.31704	1.05173	1.00000	0.97s
3578	1.32772	1.31847	1.00701	1.00000	0.96s
3579	1.36028	1.31127	1.03738	1.00000	0.97s
3580	1.32538	1.31072	1.01119	1.00000	0.96s
3581	1.33973	1.32889	1.00816	1.00000	0.95s
3582	1.47121	1.32478	1.11053	1.00000	0.96s
3583	1.41995	1.31818	1.07721	1.00000	0.97s
3584	1.34987	1.40498	0.96077	0.96667	0.95s
3585	1.34337	1.29870	1.03440	1.00000	0.95s
3586	1.32428	1.30894	1.01172	1.00000	0.97s
3587	1.32387	1.29988	1.01845	1.00000	0.96s
3588	1.34714	1.30323	1.03370	1.00000	0.95s
3589	1.38267	1.42554	0.96993	0.96667	0.96s
3590	1.34842	1.33495	1.01009	0.96667	0.96s
3591	1.33012	1.31710	1.00989	1.00000	0.95s
3592	1.36969	1.41428	0.96847	0.96667	0.97s
3593	1.32956	1.29560	1.02621	1.00000	0.96s
3594	1.31739	1.29082	1.02058	1.00000	0.96s
3595	1.35586	1.30455	1.03933	1.00000	0.95s
3596	1.34044	1.48518	0.90254	0.96667	0.96s
3597	1.31035	1.28925	1.01636	1.00000	0.96s
3598	1.33456	1.30459	1.02297	1.00000	0.96s
3599	1.30262	1.31990	0.98691	1.00000	0.96s
3600	1.36277	1.28719	1.05872	1.00000	0.96s
3601	1.31440	1.29212	1.01724	1.00000	0.96s
3602	1.32451	1.29210	1.02508	1.00000	0.96s
3603	1.29028	1.32518	0.97367	0.96667	0.96s
3604	1.42176	1.28558	1.10592	1.00000	0.97s
3605	1.36612	1.32855	1.02828	0.96667	0.96s
3606	1.32903	1.33794	0.99334	1.00000	0.96s
3607	1.31328	1.49645	0.87760	0.96667	0.96s
3608	1.30293	1.35536	0.96132	0.96667	0.96s
3609	1.35597	1.29521	1.04691	1.00000	0.95s
3610	1.33277	1.27055	1.04897	1.00000	0.96s
3611	1.40107	1.27612	1.09791	1.00000	0.96s
3612	1.29707	1.31999	0.98264	0.96667	0.97s
3613	1.29799	1.28490	1.01018	1.00000	0.96s
3614	1.34796	1.26650	1.06432	1.00000	0.96s
3615	1.40680	1.28912	1.09129	1.00000	0.96s
3616	1.33653	1.29594	1.03132	1.00000	1.01s
3617	1.31238	1.27057	1.03290	1.00000	1.02s
3618	1.33071	1.28163	1.03830	1.00000	0.97s
3619	1.33082	1.37082	0.97082	0.96667	0.98s
3620	1.36952	1.29140	1.06050	1.00000	0.98s
3621	1.31158	1.28749	1.01870	1.00000	0.96s
3622	1.32140	1.26359	1.04576	1.00000	0.98s
3623	1.29278	1.27090	1.01722	1.00000	0.98s
3624	1.28208	1.26487	1.01360	1.00000	0.97s
3625	1.33611	1.26694	1.05460	1.00000	0.96s
3626	1.31849	1.36002	0.96946	0.96667	0.95s
3627	1.31179	1.35337	0.96927	0.93333	0.97s
3628	1.33140	1.26756	1.05037	1.00000	0.97s

3629	1.33312	1.25207	1.06473	1.00000	0.96s
3630	1.34887	1.26324	1.06779	1.00000	0.96s
3631	1.30776	1.26019	1.03774	1.00000	0.96s
3632	1.27198	1.31521	0.96713	0.96667	0.96s
3633	1.26658	1.34454	0.94202	0.96667	0.96s
3634	1.26781	1.25196	1.01267	1.00000	0.96s
3635	1.35428	1.24782	1.08532	1.00000	0.96s
3636	1.28733	1.25566	1.02523	1.00000	0.96s
3637	1.26238	1.26514	0.99782	1.00000	0.95s
3638	1.28520	1.28880	0.99721	0.96667	0.95s
3639	1.25990	1.27283	0.98984	1.00000	0.95s
3640	1.28439	1.29298	0.99335	0.96667	0.97s
3641	1.27406	1.29410	0.98451	0.96667	0.96s
3642	1.27105	1.32442	0.95971	0.96667	0.96s
3643	1.26423	1.31996	0.95778	0.96667	0.95s
3644	1.29000	1.27632	1.01072	1.00000	0.96s
3645	1.26869	1.23678	1.02580	1.00000	0.95s
3646	1.25252	1.24768	1.00388	1.00000	0.95s
3647	1.31203	1.29734	1.01133	0.96667	0.97s
3648	1.31923	1.24243	1.06182	1.00000	0.96s
3649	1.30801	1.38022	0.94768	0.93333	0.96s
3650	1.27303	1.26019	1.01019	1.00000	0.96s
3651	1.30172	1.24889	1.04230	1.00000	0.96s
3652	1.33916	1.24639	1.07443	1.00000	0.95s
3653	1.28070	1.24148	1.03159	1.00000	0.96s
3654	1.33867	1.23417	1.08468	1.00000	0.96s
3655	1.30587	1.30404	1.00140	0.96667	0.96s
3656	1.25266	1.29670	0.96604	0.96667	0.96s
3657	1.26418	1.26903	0.99618	1.00000	0.97s
3658	1.24224	1.22241	1.01622	1.00000	1.00s
3659	1.26471	1.33173	0.94967	0.96667	0.99s
3660	1.34865	1.22261	1.10309	1.00000	0.96s
3661	1.28540	1.25637	1.02311	1.00000	0.96s
3662	1.27272	1.22340	1.04031	1.00000	0.96s
3663	1.26025	1.24007	1.01627	1.00000	0.96s
3664	1.27321	1.24929	1.01915	1.00000	0.95s
3665	1.23678	1.21645	1.01671	1.00000	0.96s
3666	1.23620	1.30042	0.95062	0.96667	0.96s
3667	1.26156	1.21682	1.03677	1.00000	0.96s
3668	1.27503	1.21177	1.05220	1.00000	0.95s
3669	1.27765	1.23671	1.03311	1.00000	0.96s
3670	1.31217	1.21276	1.08197	1.00000	0.97s
3671	1.24837	1.23991	1.00682	1.00000	0.96s
3672	1.31300	1.23220	1.06557	1.00000	0.95s
3673	1.22406	1.22358	1.00040	1.00000	0.96s
3674	1.22372	1.23131	0.99383	1.00000	0.96s
3675	1.23968	1.21006	1.02448	1.00000	0.95s
3676	1.24182	1.30248	0.95343	0.93333	0.95s
3677	1.28552	1.21359	1.05927	1.00000	0.95s
3678	1.25432	1.21504	1.03233	1.00000	0.97s
3679	1.34652	1.20816	1.11452	1.00000	0.95s
3680	1.33309	1.21493	1.09725	1.00000	0.96s
3681	1.23299	1.33680	0.92234	0.96667	0.96s
3682	1.22497	1.26411	0.96904	0.96667	0.96s

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   3683       1.24254       1.22953       1.01059       0.96667  0.96s
   3684       1.24829       1.26866       0.98395       0.96667  0.96s
   3685       1.21435       1.19966       1.01224       1.00000  0.97s
   3686       1.40139       1.29241       1.08433       0.96667  0.97s
   3687       1.23981       1.21170       1.02319       1.00000  0.95s
   3688       1.27973       1.22111       1.04800       1.00000  0.96s
   3689       1.22778       1.19731       1.02545       1.00000  0.96s
   3690       1.27025       1.20898       1.05068       1.00000  0.96s
   3691       1.25297       1.20437       1.04035       1.00000  0.96s
   3692       1.22769       1.20479       1.01901       1.00000  0.96s
   3693       1.27495       1.19701       1.06511       1.00000  0.97s
   3694       1.23496       1.20194       1.02748       1.00000  0.96s
   3695       1.30925       1.29952       1.00749       0.96667  0.97s
   3696       1.22136       1.19222       1.02444       1.00000  0.97s
   3697       1.22975       1.20362       1.02172       1.00000  0.96s
   3698       1.22616       1.19840       1.02316       1.00000  0.96s
   3699       1.24767       1.23807       1.00775       0.96667  0.96s
   3700       1.24642       1.31919       0.94484       0.93333  0.96s
Regularization term: 1.1769824028
2016-07-26 22:36:07,660 - root - INFO - Duration of saving to disk: 0:00:18
2016-07-26 22:36:21,018 - root - INFO - Duration of validation: 0:00:13
   3701       1.22884       1.19877       1.02508       1.00000  0.98s
   3702       1.23067       1.20278       1.02319       1.00000  0.95s
   3703       1.22927       1.18813       1.03463       1.00000  0.97s
   3704       1.26921       1.20110       1.05671       1.00000  0.96s
   3705       1.22769       1.17772       1.04243       1.00000  0.96s
   3706       1.23149       1.27028       0.96947       0.96667  0.97s
   3707       1.25279       1.19324       1.04990       1.00000  1.02s
   3708       1.24143       1.24429       0.99770       0.96667  0.97s
   3709       1.20642       1.18543       1.01771       1.00000  0.96s
   3710       1.21003       1.17460       1.03017       1.00000  0.98s
   3711       1.28937       1.20299       1.07180       1.00000  1.02s
   3712       1.21114       1.17563       1.03021       1.00000  0.97s
   3713       1.24080       1.19239       1.04060       1.00000  0.99s
   3714       1.21694       1.19526       1.01814       1.00000  1.01s
   3715       1.33180       1.19071       1.11849       1.00000  0.99s
   3716       1.19232       1.17903       1.01127       1.00000  0.99s
   3717       1.32386       1.20011       1.10312       0.96667  0.95s
   3718       1.20184       1.16627       1.03050       1.00000  0.96s
   3719       1.21221       1.19300       1.01611       1.00000  0.96s
   3720       1.21448       1.38328       0.87797       0.93333  0.96s
   3721       1.19577       1.29480       0.92351       0.96667  0.97s
   3722       1.21034       1.23140       0.98290       0.96667  0.96s
   3723       1.18295       1.19040       0.99375       1.00000  0.96s
   3724       1.18466       1.21118       0.97810       0.96667  0.96s
   3725       1.27938       1.30156       0.98296       0.96667  0.95s
   3726       1.28045       1.22630       1.04416       0.96667  0.97s
   3727       1.22598       1.18771       1.03223       1.00000  0.96s
   3728       1.21480       1.16719       1.04078       1.00000  0.96s
   3729       1.21722       1.15713       1.05193       1.00000  0.96s
   3730       1.19993       1.15975       1.03464       1.00000  0.98s
   3731       1.20378       1.19078       1.01092       1.00000  0.95s
   3732       1.22135       1.24684       0.97956       0.96667  0.96s
   3733       1.31594       1.39544       0.94303       0.93333  0.96s
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3734	1.16684	1.15820	1.00745	1.00000	0.96s
3735	1.17826	1.15668	1.01866	1.00000	0.95s
3736	1.17719	1.22648	0.95981	0.96667	0.95s
3737	1.22423	1.17655	1.04053	0.96667	0.96s
3738	1.19945	1.15618	1.03742	1.00000	0.96s
3739	1.17286	1.16301	1.00847	1.00000	0.96s
3740	1.16800	1.21724	0.95954	0.96667	0.96s
3741	1.20208	1.15884	1.03731	1.00000	0.96s
3742	1.18800	1.15670	1.02706	1.00000	0.96s
3743	1.18906	1.33690	0.88942	0.96667	0.97s
3744	1.18075	1.18539	0.99609	1.00000	0.95s
3745	1.21400	1.25588	0.96666	0.96667	0.96s
3746	1.33100	1.14071	1.16682	1.00000	0.96s
3747	1.20732	1.13934	1.05967	1.00000	0.95s
3748	1.17441	1.16552	1.00763	1.00000	0.95s
3749	1.24146	1.14111	1.08794	1.00000	0.96s
3750	1.16452	1.14206	1.01966	1.00000	0.97s
3751	1.20073	1.14158	1.05182	1.00000	0.96s
3752	1.18800	1.14043	1.04171	1.00000	0.96s
3753	1.15113	1.17041	0.98353	1.00000	0.96s
3754	1.17777	1.14866	1.02534	1.00000	0.96s
3755	1.21010	1.15416	1.04846	1.00000	0.96s
3756	1.18268	1.15063	1.02786	1.00000	0.96s
3757	1.14638	1.25195	0.91568	0.96667	0.95s
3758	1.15345	1.16496	0.99012	1.00000	0.95s
3759	1.31314	1.13680	1.15512	1.00000	0.96s
3760	1.18144	1.18395	0.99788	1.00000	0.96s
3761	1.17448	1.20980	0.97080	0.96667	1.01s
3762	1.14397	1.12861	1.01362	1.00000	0.98s
3763	1.14725	1.14495	1.00201	1.00000	0.96s
3764	1.14976	1.25810	0.91388	0.96667	0.97s
3765	1.15249	1.23441	0.93364	0.96667	0.95s
3766	1.20569	1.20261	1.00256	0.96667	0.95s
3767	1.15668	1.14168	1.01314	1.00000	0.97s
3768	1.22903	1.15756	1.06174	1.00000	0.96s
3769	1.17031	1.27087	0.92087	0.93333	0.95s
3770	1.15434	1.14222	1.01061	1.00000	0.96s
3771	1.15046	1.22230	0.94122	0.96667	0.96s
3772	1.19098	1.12618	1.05754	1.00000	0.95s
3773	1.22936	1.15166	1.06747	1.00000	0.96s
3774	1.17793	1.12871	1.04360	1.00000	0.96s
3775	1.18434	1.13730	1.04136	1.00000	0.96s
3776	1.16319	1.14516	1.01575	1.00000	0.95s
3777	1.15522	1.11921	1.03217	1.00000	0.96s
3778	1.16282	1.14304	1.01731	1.00000	0.96s
3779	1.14797	1.25636	0.91373	0.96667	0.95s
3780	1.13842	1.16724	0.97531	1.00000	0.95s
3781	1.13394	1.15242	0.98397	0.96667	0.96s
3782	1.18315	1.13414	1.04322	1.00000	0.95s
3783	1.18901	1.11450	1.06685	1.00000	0.96s
3784	1.12929	1.13788	0.99245	1.00000	0.95s
3785	1.20291	1.12480	1.06944	1.00000	0.95s
3786	1.17174	1.14868	1.02007	1.00000	0.96s
3787	1.12475	1.11490	1.00883	1.00000	0.96s

3788	1.14391	1.37269	0.83333	0.93333	0.96s
3789	1.13758	1.13256	1.00443	1.00000	0.97s
3790	1.16386	1.10125	1.05685	1.00000	0.96s
3791	1.16924	1.10513	1.05802	1.00000	0.95s
3792	1.12780	1.13774	0.99127	0.96667	0.97s
3793	1.13027	1.09855	1.02887	1.00000	0.96s
3794	1.17871	1.14574	1.02877	1.00000	0.96s
3795	1.15020	1.11266	1.03374	1.00000	0.96s
3796	1.14713	1.09799	1.04475	1.00000	0.96s
3797	1.14363	1.11650	1.02430	1.00000	0.97s
3798	1.18979	1.14296	1.04097	0.96667	0.97s
3799	1.13873	1.17440	0.96963	0.96667	0.96s
3800	1.11854	1.09762	1.01907	1.00000	0.95s
3801	1.14060	1.09563	1.04105	1.00000	0.96s
3802	1.12381	1.10801	1.01426	1.00000	0.96s
3803	1.14705	1.19379	0.96085	0.96667	0.97s
3804	1.13356	1.11817	1.01376	1.00000	0.97s
3805	1.13181	1.09935	1.02953	1.00000	0.96s
3806	1.15668	1.24223	0.93113	0.96667	0.97s
3807	1.12328	1.10324	1.01816	1.00000	0.97s
3808	1.13235	1.09155	1.03738	1.00000	0.96s
3809	1.13570	1.09298	1.03908	1.00000	0.96s
3810	1.21700	1.12499	1.08179	1.00000	1.04s
3811	1.13736	1.10580	1.02854	1.00000	0.99s
3812	1.13903	1.09633	1.03895	1.00000	0.97s
3813	1.10986	1.09499	1.01358	1.00000	0.97s
3814	1.11750	1.11873	0.99890	1.00000	0.96s
3815	1.16436	1.12862	1.03167	0.96667	1.00s
3816	1.22828	1.08834	1.12858	1.00000	0.99s
3817	1.17690	1.09453	1.07525	1.00000	1.00s
3818	1.13269	1.08643	1.04258	1.00000	1.00s
3819	1.12030	1.16650	0.96039	0.96667	0.97s
3820	1.13214	1.11196	1.01815	1.00000	1.00s
3821	1.11488	1.15748	0.96320	0.96667	0.98s
3822	1.10931	1.10275	1.00595	1.00000	0.96s
3823	1.11731	1.08668	1.02818	1.00000	0.97s
3824	1.25084	1.08918	1.14843	1.00000	0.96s
3825	1.10362	1.07741	1.02433	1.00000	0.99s
3826	1.16152	1.10228	1.05374	1.00000	0.95s
3827	1.13623	1.13619	1.00004	0.96667	0.95s
3828	1.11211	1.07214	1.03728	1.00000	1.01s
3829	1.15573	1.12658	1.02587	0.96667	0.97s
3830	1.12396	1.08866	1.03243	1.00000	1.01s
3831	1.09957	1.17178	0.93838	0.93333	1.03s
3832	1.08770	1.07856	1.00848	1.00000	0.95s
3833	1.17141	1.07264	1.09209	1.00000	0.97s
3834	1.10780	1.07447	1.03101	1.00000	1.07s
3835	1.09698	1.07162	1.02366	1.00000	0.99s
3836	1.09590	1.08073	1.01404	1.00000	1.00s
3837	1.10836	1.13966	0.97253	0.96667	0.98s
3838	1.10958	1.09114	1.01689	1.00000	0.98s
3839	1.11401	1.27874	0.87118	0.93333	1.01s
3840	1.16420	1.10856	1.05019	1.00000	0.99s
3841	1.11475	1.07274	1.03916	1.00000	0.96s

3842	1.09251	1.06639	1.02449	1.00000	0.98s
3843	1.11156	1.08462	1.02484	1.00000	0.99s
3844	1.10367	1.08907	1.01340	1.00000	0.96s
3845	1.12668	1.06630	1.05662	1.00000	0.96s
3846	1.11098	1.16738	0.95169	0.96667	0.97s
3847	1.12861	1.07350	1.05134	1.00000	0.96s
3848	1.19040	1.06743	1.11521	1.00000	0.96s
3849	1.09289	1.07360	1.01797	1.00000	0.96s
3850	1.07759	1.08063	0.99718	1.00000	0.95s
3851	1.08697	1.07825	1.00809	1.00000	0.95s
3852	1.12479	1.05261	1.06857	1.00000	0.96s
3853	1.10140	1.09858	1.00257	1.00000	0.95s
3854	1.15772	1.05089	1.10165	1.00000	0.96s
3855	1.17407	1.04834	1.11993	1.00000	0.95s
3856	1.13169	1.25058	0.90493	0.96667	0.96s
3857	1.08372	1.04689	1.03517	1.00000	0.96s
3858	1.08583	1.10412	0.98344	0.96667	0.96s
3859	1.14197	1.06623	1.07103	1.00000	0.96s
3860	1.07755	1.15040	0.93668	0.96667	0.95s
3861	1.09188	1.04733	1.04253	1.00000	0.96s
3862	1.08301	1.06911	1.01300	1.00000	0.96s
3863	1.06457	1.22167	0.87140	0.93333	0.95s
3864	1.07327	1.11607	0.96166	0.96667	0.95s
3865	1.11899	1.07375	1.04214	1.00000	0.96s
3866	1.11662	1.05523	1.05817	1.00000	0.95s
3867	1.12988	1.06323	1.06268	1.00000	0.95s
3868	1.07061	1.05697	1.01290	1.00000	0.94s
3869	1.06474	1.08581	0.98060	0.96667	0.96s
3870	1.05518	1.08379	0.97361	1.00000	0.96s
3871	1.14540	1.06688	1.07359	1.00000	0.96s
3872	1.06558	1.11512	0.95557	0.96667	0.95s
3873	1.08725	1.04252	1.04291	1.00000	0.96s
3874	1.12278	1.04014	1.07946	1.00000	0.96s
3875	1.07513	1.22522	0.87750	0.90000	0.95s
3876	1.13044	1.05911	1.06735	1.00000	0.96s
3877	1.06364	1.04454	1.01828	1.00000	1.01s
3878	1.04956	1.03491	1.01415	1.00000	0.97s
3879	1.10371	1.03607	1.06529	1.00000	0.96s
3880	1.11019	1.03010	1.07775	1.00000	0.96s
3881	1.06724	1.05754	1.00917	1.00000	0.96s
3882	1.09198	1.03375	1.05633	1.00000	0.97s
3883	1.04999	1.03900	1.01058	1.00000	0.95s
3884	1.07774	1.03887	1.03742	1.00000	0.96s
3885	1.13972	1.03076	1.10571	1.00000	0.98s
3886	1.06391	1.02683	1.03611	1.00000	0.96s
3887	1.07016	1.03566	1.03331	1.00000	0.98s
3888	1.09384	1.04634	1.04540	1.00000	1.00s
3889	1.06670	1.02406	1.04164	1.00000	1.01s
3890	1.05244	1.03193	1.01988	1.00000	0.95s
3891	1.04684	1.02823	1.01809	1.00000	0.97s
3892	1.17829	1.17890	0.99948	0.96667	0.98s
3893	1.10764	1.05262	1.05227	1.00000	0.95s
3894	1.08654	1.03591	1.04887	1.00000	0.96s
3895	1.05768	1.02589	1.03099	1.00000	0.95s

3896	1.05194	1.08641	0.96828	0.96667	0.95s
3897	1.04262	1.02003	1.02215	1.00000	0.96s
3898	1.12926	1.14200	0.98885	0.96667	0.96s
3899	1.05820	1.01763	1.03986	1.00000	0.96s
3900	1.06791	1.01423	1.05293	1.00000	0.96s
3901	1.07967	1.02733	1.05095	1.00000	0.95s
3902	1.04237	1.09171	0.95481	0.96667	0.96s
3903	1.03659	1.02300	1.01329	1.00000	0.96s
3904	1.07639	1.03293	1.04208	1.00000	0.96s
3905	1.05220	1.14555	0.91851	0.96667	0.96s
3906	1.03441	1.01816	1.01595	1.00000	0.96s
3907	1.13452	1.06519	1.06509	0.96667	0.96s
3908	1.05653	1.03786	1.01799	1.00000	0.95s
3909	1.03656	1.04269	0.99412	1.00000	0.95s
3910	1.04995	1.02936	1.02000	1.00000	0.96s
3911	1.06341	1.02346	1.03904	1.00000	0.96s
3912	1.04772	1.03050	1.01671	1.00000	0.95s
3913	1.18579	1.01358	1.16990	1.00000	0.96s
3914	1.05276	1.04251	1.00983	1.00000	0.96s
3915	1.07781	1.02947	1.04696	1.00000	0.95s
3916	1.09967	1.05083	1.04648	0.96667	0.96s
3917	1.08533	1.03134	1.05234	1.00000	0.97s
3918	1.03583	1.05959	0.97758	1.00000	0.95s
3919	1.04281	1.23455	0.84469	0.96667	0.96s
3920	1.02760	1.01096	1.01646	1.00000	0.96s
3921	1.09261	1.02052	1.07065	1.00000	0.95s
3922	1.06372	1.10424	0.96331	0.93333	0.97s
3923	1.08006	1.01207	1.06718	1.00000	0.97s
3924	1.04557	1.00804	1.03723	1.00000	0.96s
3925	1.06627	1.02133	1.04401	1.00000	0.96s
3926	1.05318	1.02091	1.03161	1.00000	0.95s
3927	1.03470	1.00638	1.02815	1.00000	0.95s
3928	1.04852	1.02169	1.02626	1.00000	0.96s
3929	1.02876	0.99974	1.02903	1.00000	0.96s
3930	1.13495	1.12177	1.01175	0.93333	0.96s
3931	1.02790	1.04693	0.98182	0.96667	0.95s
3932	1.05356	1.17177	0.89913	0.96667	0.97s
3933	1.10295	0.99826	1.10487	1.00000	0.96s
3934	1.03017	1.10535	0.93199	0.93333	0.96s
3935	1.02518	1.00324	1.02187	1.00000	0.96s
3936	1.01587	0.99080	1.02530	1.00000	0.95s
3937	1.03354	1.00686	1.02649	1.00000	0.96s
3938	1.08662	1.00985	1.07602	1.00000	0.96s
3939	1.05877	1.01469	1.04344	1.00000	0.96s
3940	1.06489	1.01690	1.04720	1.00000	0.95s
3941	1.01338	0.99092	1.02267	1.00000	0.96s
3942	1.02917	0.99027	1.03928	1.00000	0.96s
3943	1.01272	0.99851	1.01423	1.00000	0.95s
3944	1.04277	1.00411	1.03851	1.00000	0.96s
3945	1.08524	1.03656	1.04696	1.00000	0.95s
3946	1.01436	0.98338	1.03151	1.00000	0.96s
3947	1.03065	0.99424	1.03662	1.00000	0.95s
3948	1.03538	1.08269	0.95630	0.93333	0.96s
3949	1.01359	0.98794	1.02596	1.00000	0.96s

3950	1.12503	0.98273	1.14480	1.00000	0.96s
3951	1.04607	0.99258	1.05389	1.00000	0.97s
3952	1.00630	0.98189	1.02486	1.00000	0.96s
3953	1.00283	1.05975	0.94629	0.96667	0.96s
3954	1.03287	0.99655	1.03645	1.00000	0.97s
3955	1.05742	0.99815	1.05938	1.00000	0.95s
3956	1.01054	1.01949	0.99122	0.96667	0.95s
3957	1.00712	1.06943	0.94174	0.96667	0.96s
3958	1.06847	1.08032	0.98903	0.96667	0.95s
3959	1.04643	0.98792	1.05922	1.00000	0.95s
3960	1.06248	1.07937	0.98435	0.96667	0.96s
3961	1.02277	0.98994	1.03317	1.00000	0.97s
3962	1.00371	0.98201	1.02209	1.00000	0.96s
3963	1.09107	0.98595	1.10662	1.00000	0.95s
3964	1.06394	0.96810	1.09900	1.00000	0.96s
3965	1.02382	0.97138	1.05399	1.00000	0.95s
3966	1.16326	0.98419	1.18195	1.00000	0.96s
3967	1.02138	0.98142	1.04072	1.00000	0.94s
3968	0.99745	1.00376	0.99371	1.00000	0.96s
3969	1.01642	0.97103	1.04675	1.00000	0.96s
3970	1.00840	0.96640	1.04346	1.00000	0.96s
3971	1.01806	0.97313	1.04617	1.00000	1.01s
3972	1.02141	0.97207	1.05076	1.00000	1.04s
3973	1.01092	1.17496	0.86039	0.96667	0.98s
3974	0.98805	0.97565	1.01272	1.00000	0.98s
3975	0.98026	0.97854	1.00176	1.00000	0.98s
3976	1.03334	0.97085	1.06437	1.00000	0.97s
3977	0.98150	1.16314	0.84384	0.93333	0.96s
3978	0.99633	0.97149	1.02557	1.00000	0.96s
3979	1.01591	0.99303	1.02304	0.96667	0.96s
3980	0.99600	0.96728	1.02970	1.00000	0.95s
3981	1.04380	0.97275	1.07304	1.00000	0.96s
3982	0.99856	0.98168	1.01720	1.00000	0.95s
3983	0.98603	1.00325	0.98283	0.96667	0.96s
3984	1.03418	1.00067	1.03349	1.00000	0.96s
3985	1.03454	1.02750	1.00685	0.96667	0.96s
3986	0.97610	0.96416	1.01238	1.00000	0.97s
3987	1.03312	0.97549	1.05908	1.00000	0.95s
3988	0.98306	0.96687	1.01674	1.00000	0.96s
3989	0.99038	0.95798	1.03382	1.00000	0.96s
3990	0.99187	0.95468	1.03896	1.00000	0.96s
3991	0.98673	0.95490	1.03334	1.00000	0.96s
3992	0.99918	1.13827	0.87781	0.93333	0.95s
3993	1.02258	0.96770	1.05671	1.00000	0.95s
3994	1.10231	0.95262	1.15714	1.00000	0.95s
3995	1.01794	0.96120	1.05904	1.00000	0.95s
3996	0.99417	0.98050	1.01395	1.00000	0.95s
3997	0.99751	0.94799	1.05224	1.00000	0.96s
3998	1.01689	0.97917	1.03852	1.00000	0.95s
3999	0.99956	0.97233	1.02801	1.00000	0.96s
4000	0.95921	0.96207	0.99703	1.00000	0.96s
4001	1.04149	0.94882	1.09767	1.00000	0.96s
4002	0.96299	0.96129	1.00177	1.00000	0.96s
4003	1.00449	0.95069	1.05659	1.00000	0.96s

4004	0.99645	1.08971	0.91441	0.96667	0.95s
4005	0.97363	1.07514	0.90559	0.96667	0.95s
4006	1.03997	0.94883	1.09606	1.00000	0.95s
4007	1.07000	0.94048	1.13771	1.00000	0.96s
4008	1.00163	1.03692	0.96596	0.96667	0.96s
4009	1.00233	1.03594	0.96756	0.96667	0.95s
4010	0.96436	0.93906	1.02694	1.00000	0.96s
4011	0.96605	0.94737	1.01972	1.00000	0.96s
4012	0.97014	0.97899	0.99096	1.00000	0.96s
4013	0.98044	0.97553	1.00504	1.00000	0.96s
4014	0.98975	0.96612	1.02446	1.00000	0.96s
4015	0.96930	0.95624	1.01366	1.00000	0.96s
4016	0.97743	0.94404	1.03537	1.00000	0.95s
4017	0.96250	0.94387	1.01974	1.00000	0.95s
4018	0.95764	1.01838	0.94036	0.96667	0.96s
4019	0.95156	0.94377	1.00825	1.00000	0.96s
4020	1.05861	0.93622	1.13072	1.00000	0.97s
4021	0.98080	0.93918	1.04431	1.00000	0.95s
4022	0.96019	0.95689	1.00346	1.00000	0.96s
4023	0.97328	0.95327	1.02099	1.00000	0.97s
4024	1.03840	0.97980	1.05981	0.96667	0.96s
4025	0.95023	0.93440	1.01695	1.00000	0.96s
4026	0.97870	0.93435	1.04746	1.00000	0.96s
4027	0.97302	0.96754	1.00566	0.96667	0.96s
4028	0.95697	0.94622	1.01136	1.00000	0.95s
4029	0.96850	0.93397	1.03697	1.00000	0.97s
4030	0.99329	0.99186	1.00144	0.96667	0.95s
4031	0.98292	1.07213	0.91680	0.96667	0.96s
4032	0.94994	1.00901	0.94146	0.96667	0.95s
4033	0.97659	0.97422	1.00243	0.96667	0.96s
4034	0.98063	0.93356	1.05042	1.00000	0.96s
4035	0.94493	0.98230	0.96196	1.00000	0.95s
4036	0.94987	0.93376	1.01725	1.00000	0.96s
4037	0.99451	0.96647	1.02901	1.00000	0.95s
4038	1.01584	0.97572	1.04112	0.96667	0.95s
4039	0.98084	1.05382	0.93074	0.96667	0.96s
4040	0.95582	0.92525	1.03305	1.00000	0.96s
4041	0.96531	0.92836	1.03980	1.00000	0.96s
4042	0.96996	0.92630	1.04714	1.00000	0.95s
4043	1.00791	1.01283	0.99515	0.96667	0.95s
4044	0.93084	0.92012	1.01165	1.00000	0.96s
4045	1.00455	0.92106	1.09064	1.00000	0.96s
4046	0.96780	0.94143	1.02800	1.00000	0.96s
4047	0.98153	0.93260	1.05247	1.00000	0.96s
4048	1.00222	1.01376	0.98861	0.96667	0.96s
4049	0.95662	0.91823	1.04181	1.00000	0.96s
4050	0.96574	0.92379	1.04541	1.00000	0.96s
4051	0.94064	0.95221	0.98784	0.96667	0.97s
4052	0.93159	0.93170	0.99988	1.00000	0.96s
4053	0.96929	0.93875	1.03254	1.00000	0.97s
4054	0.93798	0.99348	0.94414	0.93333	0.96s
4055	0.94818	0.91604	1.03509	1.00000	0.96s
4056	0.92949	0.94266	0.98602	1.00000	0.96s
4057	0.96443	0.91635	1.05248	1.00000	0.95s

4058	0.97295	0.95857	1.01500	1.00000	0.96s
4059	0.97038	0.91772	1.05738	1.00000	0.96s
4060	0.96167	0.96847	0.99298	0.96667	0.96s
4061	0.94652	0.91471	1.03478	1.00000	0.96s
4062	0.93114	1.07716	0.86444	0.93333	0.95s
4063	0.98168	0.93374	1.05134	1.00000	0.96s
4064	0.92711	0.90540	1.02398	1.00000	0.96s
4065	0.95701	0.91116	1.05032	1.00000	0.96s
4066	0.98560	1.02729	0.95942	0.96667	0.96s
4067	0.92747	1.02750	0.90264	0.96667	0.96s
4068	0.94752	0.91250	1.03837	1.00000	0.97s
4069	0.96225	0.97057	0.99143	0.96667	0.95s
4070	0.94248	0.90472	1.04173	1.00000	0.95s
4071	0.97492	0.93993	1.03723	1.00000	1.00s
4072	0.94560	0.90831	1.04105	1.00000	1.01s
4073	0.96116	0.95147	1.01018	0.96667	0.99s
4074	0.92334	0.90550	1.01970	1.00000	1.00s
4075	0.94397	0.90268	1.04574	1.00000	0.98s
4076	1.02344	0.94416	1.08397	1.00000	0.96s
4077	0.92529	0.89377	1.03527	1.00000	0.96s
4078	0.92276	0.90970	1.01436	1.00000	0.96s
4079	0.93523	0.89719	1.04240	1.00000	0.95s
4080	0.92018	0.89404	1.02923	1.00000	0.98s
4081	0.94868	0.89748	1.05704	1.00000	0.98s
4082	0.95325	0.89368	1.06666	1.00000	0.96s
4083	0.94389	0.89717	1.05207	1.00000	0.97s
4084	0.90446	0.90548	0.99888	1.00000	0.96s
4085	0.92506	0.94772	0.97609	1.00000	0.96s
4086	0.97496	0.90309	1.07958	1.00000	0.96s
4087	0.90145	0.90416	0.99700	1.00000	0.96s
4088	0.98326	0.89123	1.10326	1.00000	0.97s
4089	0.97644	0.88687	1.10100	1.00000	0.96s
4090	0.94046	1.03076	0.91239	0.96667	0.96s
4091	0.91407	1.07555	0.84986	0.96667	0.96s
4092	0.92177	0.97142	0.94889	0.96667	0.95s
4093	0.94282	0.94938	0.99308	0.96667	0.96s
4094	0.92115	0.88823	1.03705	1.00000	0.95s
4095	0.91051	1.02812	0.88561	0.96667	0.96s
4096	0.94321	0.92120	1.02390	1.00000	0.95s
4097	0.95418	0.89827	1.06224	1.00000	0.97s
4098	1.01749	0.97938	1.03891	0.93333	0.97s
4099	0.91623	0.92958	0.98564	1.00000	0.96s
4100	0.99598	0.98742	1.00866	0.93333	0.97s
4101	0.94443	0.88319	1.06934	1.00000	0.95s
4102	0.97156	0.88725	1.09502	1.00000	0.96s
4103	0.92392	0.97357	0.94900	0.96667	0.96s
4104	0.90387	0.88599	1.02018	1.00000	0.96s
4105	0.96751	0.88682	1.09099	1.00000	0.95s
4106	0.93190	0.95272	0.97814	0.96667	0.96s
4107	1.01178	0.90310	1.12034	1.00000	0.96s
4108	0.89282	0.89194	1.00099	1.00000	0.96s
4109	0.96556	0.89847	1.07468	1.00000	0.97s
4110	0.89673	0.87974	1.01931	1.00000	0.96s
4111	0.90928	0.89408	1.01699	1.00000	0.96s

4112	0.90353	1.01241	0.89245	0.96667	0.96s
4113	0.90802	0.93710	0.96897	0.96667	0.97s
4114	0.92843	0.89369	1.03887	1.00000	0.96s
4115	0.91129	0.90917	1.00233	0.96667	0.96s
4116	0.96819	0.88522	1.09373	1.00000	0.96s
4117	0.92587	0.89807	1.03095	1.00000	0.96s
4118	0.93515	0.87681	1.06653	1.00000	0.96s
4119	0.95426	0.88730	1.07547	1.00000	0.95s
4120	0.88520	0.88574	0.99939	1.00000	0.96s
4121	0.90656	0.87171	1.03998	1.00000	0.95s
4122	0.98020	0.94041	1.04231	0.96667	0.96s
4123	0.90510	0.87373	1.03591	1.00000	0.95s
4124	0.91086	0.87735	1.03819	1.00000	0.96s
4125	0.95635	0.89468	1.06892	0.96667	0.96s
4126	0.91202	0.95757	0.95243	0.96667	0.95s
4127	0.88951	0.87653	1.01481	1.00000	0.95s
4128	0.92643	0.88271	1.04953	1.00000	0.96s
4129	0.89382	0.87156	1.02554	1.00000	0.96s
4130	0.88813	0.88178	1.00720	1.00000	0.94s
4131	0.90762	0.87154	1.04139	1.00000	0.95s
4132	0.91342	0.90294	1.01161	1.00000	0.96s
4133	0.98288	0.86540	1.13575	1.00000	0.94s
4134	0.91979	0.87084	1.05622	1.00000	0.96s
4135	0.89087	1.02233	0.87141	0.96667	0.96s
4136	0.88663	0.87109	1.01785	1.00000	0.96s
4137	0.91253	0.87055	1.04822	1.00000	0.96s
4138	0.90482	0.85939	1.05287	1.00000	0.96s
4139	0.96597	0.92219	1.04747	0.96667	0.95s
4140	0.90353	0.89196	1.01297	1.00000	0.96s
4141	0.89155	0.85917	1.03769	1.00000	0.96s
4142	0.87702	1.03428	0.84795	0.93333	0.95s
4143	0.93614	0.86307	1.08467	1.00000	0.96s
4144	0.89019	0.86463	1.02956	1.00000	0.96s
4145	0.94023	0.87585	1.07350	1.00000	0.96s
4146	0.97756	0.89675	1.09012	1.00000	0.96s
4147	0.92018	0.89022	1.03366	1.00000	0.95s
4148	0.88506	0.86098	1.02797	1.00000	0.95s
4149	0.89246	0.85434	1.04462	1.00000	0.96s
4150	0.86850	0.86940	0.99896	1.00000	0.95s
4151	0.98706	0.87025	1.13423	1.00000	0.96s
4152	0.95391	0.85656	1.11364	1.00000	0.96s
4153	0.89185	0.86045	1.03650	1.00000	0.97s
4154	0.94004	0.85514	1.09928	1.00000	0.97s
4155	0.99802	0.85795	1.16327	1.00000	0.96s
4156	0.98311	0.87110	1.12859	1.00000	0.96s
4157	0.86631	0.85119	1.01777	1.00000	0.96s
4158	0.87778	0.87214	1.00647	1.00000	0.96s
4159	0.89835	0.85758	1.04754	1.00000	0.97s
4160	0.95677	0.85828	1.11476	1.00000	0.96s
4161	0.92211	0.86924	1.06082	0.96667	0.96s
4162	0.87354	0.87304	1.00057	1.00000	0.96s
4163	0.97004	0.85377	1.13617	1.00000	0.95s
4164	0.92260	0.85277	1.08188	1.00000	0.95s
4165	0.86000	0.86123	0.99857	1.00000	0.96s

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   4166       0.88318       0.84953       1.03961       1.00000  0.96s
   4167       0.92908       0.88589       1.04876       0.96667  0.96s
   4168       0.88295       0.85873       1.02820       1.00000  0.96s
   4169       0.87367       0.88568       0.98644       1.00000  0.96s
   4170       0.86221       0.84744       1.01743       1.00000  0.96s
   4171       0.86513       0.86969       0.99476       1.00000  0.97s
   4172       0.91726       0.88917       1.03159       1.00000  0.95s
   4173       0.96575       0.86625       1.11486       1.00000  0.95s
   4174       0.85236       0.86096       0.99001       1.00000  0.95s
   4175       0.89133       0.90318       0.98688       1.00000  0.96s
   4176       0.91476       0.85322       1.07212       1.00000  0.96s
   4177       0.86738       0.85138       1.01879       1.00000  0.96s
   4178       0.85481       0.85284       1.00230       1.00000  0.96s
   4179       0.85697       0.91474       0.93686       1.00000  0.96s
   4180       0.92030       0.86939       1.05855       1.00000  0.96s
   4181       0.87366       0.83681       1.04404       1.00000  0.95s
   4182       0.94971       0.96908       0.98002       0.96667  0.95s
   4183       0.88914       0.84587       1.05116       1.00000  0.95s
   4184       0.97596       0.85607       1.14005       1.00000  0.95s
   4185       0.89460       0.90242       0.99133       1.00000  0.96s
   4186       0.87994       0.85359       1.03087       1.00000  0.95s
   4187       0.88321       0.88415       0.99894       0.96667  0.96s
   4188       0.85315       0.86001       0.99202       1.00000  0.96s
   4189       0.88449       0.88659       0.99762       0.96667  0.95s
   4190       0.89258       0.85232       1.04723       1.00000  0.96s
   4191       0.85851       0.84193       1.01969       1.00000  0.96s
   4192       0.88654       0.85613       1.03552       1.00000  0.96s
   4193       0.87326       0.84063       1.03881       1.00000  0.95s
   4194       0.86094       0.83967       1.02532       1.00000  0.95s
   4195       0.85354       0.98599       0.86566       0.96667  0.96s
   4196       0.84284       0.83952       1.00395       1.00000  0.97s
   4197       0.86781       0.82860       1.04731       1.00000  0.96s
   4198       0.86239       0.84452       1.02116       1.00000  0.95s
   4199       0.84020       0.87657       0.95851       1.00000  0.96s
   4200       0.89521       0.83809       1.06816       1.00000  0.96s
Regularization term: 0.819201052189
2016-07-26 22:44:45,996 - root - INFO - Duration of saving to disk: 0:00:16
2016-07-26 22:44:54,170 - root - INFO - Duration of validation: 0:00:08
   4201       0.89724       0.85763       1.04618       1.00000  0.97s
   4202       0.85158       0.91177       0.93399       0.96667  0.95s
   4203       0.89076       0.94321       0.94439       0.96667  0.96s
   4204       0.84711       0.83130       1.01902       1.00000  0.96s
   4205       0.86406       0.88353       0.97796       1.00000  0.96s
   4206       0.87248       0.82898       1.05247       1.00000  0.96s
   4207       0.84332       0.84412       0.99905       1.00000  0.95s
   4208       0.86958       0.89336       0.97338       0.96667  0.96s
   4209       0.97949       0.89361       1.09610       0.96667  0.96s
   4210       0.85939       0.87244       0.98504       0.96667  0.96s
   4211       0.87864       0.88325       0.99477       1.00000  0.96s
   4212       0.85525       0.82636       1.03496       1.00000  0.95s
   4213       0.87850       0.83545       1.05152       1.00000  0.96s
   4214       0.83434       0.82431       1.01217       1.00000  0.96s
   4215       0.85357       0.86159       0.99069       0.96667  0.95s
   4216       0.85129       0.88623       0.96057       0.96667  0.95s
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4217	0.87092	0.82105	1.06074	1.00000	0.96s
4218	0.90953	1.11600	0.81499	0.90000	0.96s
4219	0.83726	0.83880	0.99817	1.00000	0.96s
4220	0.88262	0.82227	1.07339	1.00000	0.95s
4221	0.85329	1.04449	0.81694	0.93333	0.95s
4222	0.90629	0.82023	1.10492	1.00000	0.95s
4223	0.85055	0.85471	0.99513	1.00000	0.96s
4224	0.92690	0.84867	1.09218	1.00000	0.96s
4225	0.87750	0.91523	0.95878	0.96667	0.96s
4226	0.85080	0.81911	1.03870	1.00000	0.95s
4227	0.86633	0.82028	1.05614	1.00000	0.95s
4228	0.87781	0.94008	0.93376	0.96667	0.95s
4229	0.85258	0.81694	1.04362	1.00000	0.96s
4230	0.89569	0.83320	1.07500	0.96667	0.96s
4231	0.84710	0.84552	1.00187	1.00000	0.96s
4232	0.84175	0.84555	0.99551	1.00000	0.96s
4233	0.83733	0.80980	1.03400	1.00000	0.97s
4234	0.85836	0.84191	1.01954	1.00000	0.95s
4235	0.85333	0.84124	1.01437	0.96667	0.96s
4236	0.83932	0.81853	1.02540	1.00000	0.96s
4237	0.94738	0.96844	0.97826	0.96667	0.97s
4238	0.84278	0.80520	1.04668	1.00000	0.96s
4239	0.89874	0.87501	1.02712	0.96667	0.95s
4240	0.85593	0.81796	1.04642	1.00000	0.95s
4241	0.82839	0.82930	0.99890	0.96667	0.95s
4242	0.90024	0.81048	1.11074	1.00000	0.96s
4243	0.83298	0.80973	1.02871	1.00000	0.96s
4244	0.84759	0.81487	1.04015	1.00000	0.96s
4245	0.83127	0.81581	1.01894	1.00000	0.95s
4246	0.84219	0.82108	1.02571	1.00000	0.96s
4247	0.83159	0.89211	0.93216	0.96667	0.96s
4248	0.85152	0.91177	0.93392	0.93333	0.95s
4249	0.84288	0.80335	1.04921	1.00000	0.97s
4250	0.89098	0.82003	1.08652	1.00000	0.96s
4251	0.84468	0.89986	0.93869	0.96667	0.96s
4252	0.86968	0.82686	1.05178	1.00000	0.96s
4253	0.87713	0.81263	1.07937	1.00000	0.96s
4254	0.86492	0.83563	1.03505	1.00000	0.95s
4255	0.81790	0.84971	0.96257	0.96667	0.96s
4256	0.87607	0.86098	1.01752	0.96667	0.95s
4257	0.82339	0.80576	1.02188	1.00000	0.95s
4258	0.81321	0.80287	1.01288	1.00000	0.96s
4259	0.81912	0.82474	0.99319	1.00000	0.96s
4260	0.81711	0.83362	0.98019	1.00000	0.96s
4261	0.84116	0.85041	0.98913	1.00000	0.95s
4262	0.85024	0.81936	1.03769	1.00000	0.95s
4263	0.84377	0.80883	1.04320	1.00000	0.96s
4264	0.87508	0.83515	1.04781	0.96667	0.96s
4265	0.83098	0.81466	1.02003	1.00000	0.95s
4266	0.83032	0.81148	1.02322	1.00000	0.95s
4267	0.84232	0.87601	0.96154	0.96667	0.95s
4268	0.81762	0.83567	0.97840	1.00000	0.95s
4269	0.82605	0.93446	0.88399	0.96667	0.96s
4270	0.90162	0.81145	1.11112	1.00000	0.95s

4271	0.88581	0.83305	1.06333	1.00000	0.95s
4272	0.84060	0.79812	1.05321	1.00000	0.95s
4273	0.86867	0.98391	0.88288	0.96667	0.96s
4274	0.87864	0.80107	1.09684	1.00000	0.96s
4275	0.84024	0.79405	1.05817	1.00000	0.96s
4276	0.81626	0.80135	1.01861	1.00000	0.95s
4277	0.84473	0.79270	1.06563	1.00000	0.96s
4278	0.87308	0.78655	1.11001	1.00000	0.96s
4279	0.83784	0.80717	1.03800	1.00000	0.95s
4280	0.80711	0.83873	0.96231	0.96667	0.96s
4281	0.82782	0.79220	1.04497	1.00000	0.95s
4282	0.79875	0.80060	0.99769	1.00000	0.96s
4283	0.81719	0.78881	1.03598	1.00000	0.95s
4284	0.84092	0.82524	1.01900	0.96667	0.95s
4285	0.83279	0.78356	1.06283	1.00000	0.96s
4286	0.85649	0.82986	1.03209	1.00000	0.96s
4287	0.82603	0.91985	0.89801	0.96667	0.96s
4288	0.83212	0.79080	1.05225	1.00000	0.96s
4289	0.89146	0.79195	1.12566	1.00000	0.96s
4290	0.80644	0.79917	1.00911	1.00000	0.95s
4291	0.89364	0.83783	1.06660	0.96667	0.97s
4292	0.84655	0.80356	1.05350	1.00000	0.96s
4293	0.81672	0.78266	1.04353	1.00000	0.96s
4294	0.82682	0.82747	0.99921	0.96667	0.95s
4295	0.81690	0.78381	1.04221	1.00000	0.96s
4296	0.83458	0.77967	1.07042	1.00000	0.96s
4297	0.83617	0.78881	1.06003	1.00000	0.96s
4298	0.87773	0.78436	1.11903	1.00000	0.95s
4299	0.80010	0.79350	1.00831	1.00000	0.95s
4300	0.84928	0.78286	1.08484	1.00000	0.97s
4301	0.84055	0.81436	1.03216	0.96667	0.96s
4302	0.84630	0.79010	1.07113	1.00000	0.95s
4303	0.83397	0.79973	1.04281	1.00000	0.95s
4304	0.81844	0.78522	1.04230	1.00000	0.95s
4305	0.84149	0.80770	1.04183	0.96667	0.95s
4306	0.79717	0.87667	0.90932	0.93333	0.96s
4307	0.88558	0.87277	1.01468	0.96667	0.96s
4308	0.88542	0.78284	1.13104	1.00000	0.97s
4309	0.82046	0.78904	1.03981	1.00000	0.96s
4310	0.83507	0.77947	1.07132	1.00000	0.96s
4311	0.83478	0.81562	1.02349	1.00000	0.96s
4312	0.83492	0.78057	1.06963	1.00000	0.95s
4313	0.80931	0.78865	1.02619	1.00000	0.96s
4314	0.88961	0.79356	1.12103	1.00000	0.95s
4315	0.79106	0.77694	1.01817	1.00000	0.96s
4316	0.78859	0.78311	1.00700	1.00000	0.95s
4317	0.78523	0.80200	0.97909	1.00000	0.95s
4318	0.81694	0.79038	1.03360	1.00000	0.95s
4319	0.80340	0.78740	1.02032	1.00000	0.96s
4320	0.81234	0.82698	0.98229	0.96667	0.96s
4321	0.85127	0.84477	1.00771	0.96667	0.96s
4322	0.79021	0.82798	0.95438	1.00000	0.96s
4323	0.87074	0.77759	1.11979	1.00000	0.95s
4324	0.81487	0.77205	1.05547	1.00000	0.95s

4325	0.78116	0.83213	0.93875	0.96667	0.95s
4326	0.80022	0.76693	1.04340	1.00000	0.95s
4327	0.78872	0.79597	0.99090	1.00000	0.95s
4328	0.86278	0.80160	1.07632	0.96667	0.95s
4329	0.80174	0.77970	1.02827	1.00000	0.95s
4330	0.82425	0.79816	1.03269	0.96667	0.96s
4331	0.84275	0.87072	0.96787	0.93333	0.96s
4332	0.78577	0.76400	1.02850	1.00000	0.97s
4333	0.80454	0.84296	0.95443	0.96667	0.97s
4334	0.80096	0.79495	1.00756	0.96667	0.96s
4335	0.84137	0.82815	1.01597	0.96667	0.96s
4336	0.83374	0.76415	1.09106	1.00000	0.96s
4337	0.78906	0.76881	1.02635	1.00000	0.96s
4338	0.78208	0.76681	1.01991	1.00000	0.96s
4339	0.84234	0.76702	1.09820	1.00000	0.97s
4340	0.81452	0.83933	0.97044	0.96667	0.97s
4341	0.79955	0.77802	1.02768	1.00000	0.96s
4342	0.78681	0.76317	1.03098	1.00000	0.96s
4343	0.81048	0.90225	0.89830	0.93333	0.97s
4344	0.82262	0.85595	0.96106	0.96667	0.96s
4345	0.82473	0.75795	1.08811	1.00000	0.97s
4346	0.77851	0.79708	0.97670	1.00000	0.95s
4347	0.78147	0.76140	1.02636	1.00000	0.95s
4348	0.77891	0.94482	0.82440	0.93333	0.96s
4349	0.78430	0.76903	1.01986	1.00000	0.96s
4350	0.83936	0.80159	1.04712	1.00000	0.96s
4351	0.77665	0.79146	0.98129	1.00000	0.96s
4352	0.76656	0.75973	1.00898	1.00000	0.96s
4353	0.77555	0.79845	0.97132	0.96667	0.96s
4354	0.81057	0.79140	1.02422	0.96667	0.96s
4355	0.82978	0.79283	1.04661	0.96667	0.96s
4356	0.77276	0.86598	0.89235	0.96667	0.97s
4357	0.81037	0.81476	0.99461	0.96667	0.96s
4358	0.80061	0.78129	1.02473	1.00000	0.95s
4359	0.77646	0.76015	1.02147	1.00000	0.97s
4360	0.82341	0.77875	1.05735	1.00000	0.97s
4361	0.82556	0.88605	0.93173	0.93333	0.96s
4362	0.77474	0.77063	1.00533	1.00000	0.96s
4363	0.78881	0.83714	0.94227	0.96667	0.96s
4364	0.79225	0.80647	0.98237	0.96667	0.96s
4365	0.79269	0.76672	1.03387	1.00000	0.96s
4366	0.78507	0.78241	1.00340	1.00000	0.96s
4367	0.77009	0.76978	1.00041	1.00000	0.97s
4368	0.78455	0.77658	1.01027	1.00000	0.96s
4369	0.81724	0.80483	1.01543	1.00000	0.96s
4370	0.82987	0.74665	1.11146	1.00000	0.96s
4371	0.77513	0.80306	0.96522	0.96667	0.97s
4372	0.79678	0.76755	1.03808	1.00000	0.96s
4373	0.76220	0.75294	1.01230	1.00000	0.97s
4374	0.77111	0.74735	1.03179	1.00000	0.96s
4375	0.78141	0.74953	1.04253	1.00000	0.96s
4376	0.78041	0.75439	1.03449	1.00000	0.97s
4377	0.78189	0.76359	1.02397	1.00000	0.97s
4378	0.83031	0.74393	1.11611	1.00000	0.96s

4379	0.80290	0.77968	1.02978	1.00000	0.97s
4380	0.77599	0.78943	0.98298	1.00000	0.96s
4381	0.81459	0.79328	1.02686	1.00000	0.96s
4382	0.78308	0.74222	1.05506	1.00000	0.96s
4383	0.82203	0.96807	0.84914	0.93333	0.95s
4384	0.77260	0.75533	1.02286	1.00000	0.95s
4385	0.77597	0.74306	1.04429	1.00000	0.96s
4386	0.76556	0.74136	1.03265	1.00000	0.97s
4387	0.82994	0.77047	1.07719	1.00000	0.96s
4388	0.80539	0.76702	1.05002	1.00000	0.96s
4389	0.79061	0.73736	1.07222	1.00000	0.96s
4390	0.83011	0.81884	1.01376	0.96667	0.95s
4391	0.77095	0.74086	1.04062	1.00000	0.96s
4392	0.76894	0.74936	1.02613	1.00000	0.95s
4393	0.78251	0.75080	1.04223	1.00000	0.95s
4394	0.76478	0.75090	1.01848	1.00000	0.96s
4395	0.76204	0.74470	1.02328	1.00000	0.96s
4396	0.80124	0.76278	1.05043	0.96667	0.95s
4397	0.83293	0.74442	1.11890	1.00000	0.95s
4398	0.78570	0.75144	1.04558	1.00000	0.96s
4399	0.78052	0.75265	1.03702	1.00000	0.95s
4400	0.75832	0.81263	0.93317	0.96667	0.95s
4401	0.76185	0.83755	0.90962	0.96667	0.96s
4402	0.79580	0.74282	1.07133	1.00000	0.96s
4403	0.77986	0.76251	1.02275	1.00000	0.96s
4404	0.80277	0.73395	1.09377	1.00000	0.95s
4405	0.77554	0.74026	1.04765	1.00000	0.95s
4406	0.74913	0.73515	1.01901	1.00000	0.94s
4407	0.77766	0.74037	1.05036	1.00000	0.96s
4408	0.77951	0.74473	1.04670	1.00000	0.96s
4409	0.81608	0.77324	1.05540	1.00000	0.96s
4410	0.74925	0.80129	0.93505	0.96667	0.95s
4411	0.81149	0.84348	0.96208	0.96667	0.95s
4412	0.75087	0.76632	0.97984	0.96667	0.95s
4413	0.77443	0.73781	1.04964	1.00000	0.96s
4414	0.78691	0.75417	1.04340	1.00000	0.95s
4415	0.82282	0.73177	1.12442	1.00000	0.96s
4416	0.77227	0.75614	1.02133	1.00000	0.96s
4417	0.78251	0.74846	1.04549	1.00000	0.96s
4418	0.74432	0.73720	1.00966	1.00000	0.95s
4419	0.73904	0.73681	1.00303	1.00000	0.95s
4420	0.79419	0.72231	1.09951	1.00000	0.96s
4421	0.73920	0.73825	1.00128	1.00000	0.96s
4422	0.77868	0.73520	1.05914	1.00000	0.96s
4423	0.73888	0.74178	0.99610	1.00000	0.96s
4424	0.82491	0.74421	1.10844	1.00000	0.94s
4425	0.80632	0.72868	1.10655	1.00000	0.95s
4426	0.74749	0.73244	1.02056	1.00000	0.96s
4427	0.74772	0.77319	0.96705	0.96667	0.95s
4428	0.75854	0.73480	1.03231	1.00000	0.95s
4429	0.74586	0.72153	1.03373	1.00000	0.96s
4430	0.74696	0.72867	1.02510	1.00000	0.96s
4431	0.76776	0.72850	1.05390	1.00000	0.95s
4432	0.75956	0.75364	1.00785	0.96667	0.96s

4433	0.79330	0.73055	1.08588	1.00000	0.96s
4434	0.75083	0.73164	1.02624	1.00000	0.96s
4435	0.76329	0.76173	1.00205	0.96667	0.95s
4436	0.73668	0.84377	0.87308	0.96667	0.96s
4437	0.77439	0.74448	1.04017	1.00000	0.96s
4438	0.74678	0.73223	1.01987	1.00000	0.96s
4439	0.75634	0.78953	0.95796	0.96667	0.96s
4440	0.78634	0.72808	1.08002	1.00000	0.95s
4441	0.74848	0.73012	1.02515	1.00000	0.96s
4442	0.76349	0.73470	1.03919	1.00000	0.96s
4443	0.73542	0.72135	1.01952	1.00000	0.96s
4444	0.75058	0.73347	1.02333	1.00000	0.96s
4445	0.75026	0.74137	1.01199	1.00000	0.95s
4446	0.76221	0.71989	1.05879	1.00000	0.95s
4447	0.75197	0.71846	1.04664	1.00000	0.96s
4448	0.74214	0.71663	1.03560	1.00000	0.95s
4449	0.76076	0.85143	0.89351	0.96667	0.95s
4450	0.73742	0.77052	0.95704	1.00000	0.96s
4451	0.75452	0.79135	0.95346	0.96667	0.96s
4452	0.77929	0.72044	1.08169	1.00000	0.97s
4453	0.78310	0.81800	0.95733	0.96667	0.95s
4454	0.73889	0.72704	1.01631	1.00000	0.95s
4455	0.72655	0.72277	1.00524	1.00000	0.95s
4456	0.73020	0.76546	0.95393	0.96667	0.97s
4457	0.72239	0.71063	1.01655	1.00000	0.96s
4458	0.73975	0.74864	0.98813	1.00000	0.96s
4459	0.75123	0.72153	1.04117	1.00000	0.96s
4460	0.72350	0.72906	0.99238	1.00000	0.95s
4461	0.75514	0.73698	1.02463	1.00000	0.96s
4462	0.76878	0.72422	1.06154	1.00000	0.96s
4463	0.76817	0.71564	1.07340	1.00000	0.95s
4464	0.74879	0.72669	1.03042	1.00000	0.96s
4465	0.73569	0.71024	1.03583	1.00000	0.95s
4466	0.73171	0.73438	0.99636	1.00000	0.95s
4467	0.73822	0.85032	0.86817	0.96667	0.95s
4468	0.72818	0.74361	0.97925	1.00000	0.96s
4469	0.71834	0.86140	0.83392	0.96667	0.96s
4470	0.72788	0.77030	0.94492	1.00000	0.96s
4471	0.75089	0.75709	0.99181	1.00000	0.96s
4472	0.76049	0.72848	1.04395	1.00000	0.95s
4473	0.77794	0.73459	1.05902	1.00000	0.96s
4474	0.77478	0.72582	1.06745	1.00000	0.96s
4475	0.75450	0.72934	1.03451	1.00000	0.96s
4476	0.75069	0.71746	1.04632	1.00000	0.96s
4477	0.75745	0.70356	1.07660	1.00000	0.96s
4478	0.76236	0.72584	1.05032	1.00000	0.96s
4479	0.74315	0.90243	0.82350	0.96667	0.95s
4480	0.73823	0.71215	1.03661	1.00000	0.95s
4481	0.77256	0.74661	1.03475	0.96667	0.95s
4482	0.74055	0.85862	0.86248	0.96667	0.96s
4483	0.71701	0.92974	0.77120	0.96667	0.96s
4484	0.79482	0.70695	1.12430	1.00000	0.96s
4485	0.72540	0.74960	0.96771	0.96667	0.95s
4486	0.76573	0.70701	1.08305	1.00000	0.94s

4487	0.75095	0.70526	1.06478	1.00000	0.96s
4488	0.74634	0.70833	1.05367	1.00000	0.95s
4489	0.72518	0.70042	1.03535	1.00000	0.95s
4490	0.71798	0.79135	0.90729	0.96667	0.96s
4491	0.77557	0.76572	1.01285	0.96667	0.95s
4492	0.72242	0.70778	1.02068	1.00000	0.96s
4493	0.77474	0.70267	1.10256	1.00000	0.96s
4494	0.73703	0.70890	1.03969	1.00000	0.96s
4495	0.74545	0.86931	0.85752	0.96667	0.95s
4496	0.72711	0.74698	0.97340	0.96667	0.96s
4497	0.71383	0.73872	0.96632	1.00000	0.96s
4498	0.72104	0.75218	0.95860	0.96667	0.96s
4499	0.72978	0.70923	1.02897	1.00000	0.96s
4500	0.73045	0.74025	0.98676	1.00000	0.95s
4501	0.70438	0.77284	0.91141	0.96667	0.96s
4502	0.74390	0.76282	0.97520	0.96667	0.95s
4503	0.71244	0.69108	1.03091	1.00000	0.96s
4504	0.71071	0.72621	0.97866	1.00000	0.96s
4505	0.72621	0.83414	0.87061	0.96667	0.97s
4506	0.70381	0.70167	1.00305	1.00000	0.95s
4507	0.76385	0.73428	1.04028	1.00000	0.96s
4508	0.70619	0.79517	0.88810	0.93333	0.96s
4509	0.74615	0.69151	1.07903	1.00000	0.95s
4510	0.70695	0.69726	1.01389	1.00000	0.96s
4511	0.70591	0.86778	0.81347	0.96667	0.96s
4512	0.74541	0.75179	0.99151	0.96667	0.96s
4513	0.71818	0.69347	1.03564	1.00000	0.96s
4514	0.73107	0.68540	1.06663	1.00000	0.96s
4515	0.69446	0.72346	0.95992	1.00000	0.96s
4516	0.70459	0.72049	0.97794	0.96667	0.96s
4517	0.69991	0.71373	0.98063	1.00000	0.96s
4518	0.70389	0.75280	0.93502	0.96667	0.96s
4519	0.79847	0.68985	1.15746	1.00000	0.95s
4520	0.73512	0.74125	0.99174	1.00000	0.96s
4521	0.72716	0.69013	1.05365	1.00000	0.95s
4522	0.72465	0.69161	1.04778	1.00000	0.96s
4523	0.74510	0.69209	1.07660	1.00000	0.95s
4524	0.72132	0.69950	1.03119	1.00000	0.95s
4525	0.79017	0.69682	1.13397	1.00000	0.94s
4526	0.73636	0.72202	1.01986	1.00000	0.96s
4527	0.74226	0.71632	1.03621	1.00000	0.95s
4528	0.74886	0.70468	1.06269	1.00000	0.96s
4529	0.70465	0.79956	0.88129	1.00000	0.95s
4530	0.73496	0.72439	1.01458	1.00000	0.98s
4531	0.74059	0.68414	1.08251	1.00000	0.95s
4532	0.75302	0.68878	1.09327	1.00000	0.96s
4533	0.71700	0.72976	0.98252	0.96667	0.95s
4534	0.70387	0.70799	0.99418	0.96667	0.95s
4535	0.70708	0.69010	1.02461	1.00000	0.96s
4536	0.69321	0.72466	0.95661	1.00000	0.95s
4537	0.72121	0.76112	0.94756	0.96667	0.96s
4538	0.69311	0.69944	0.99096	1.00000	0.96s
4539	0.70580	0.67986	1.03816	1.00000	0.95s
4540	0.72073	0.69582	1.03580	1.00000	0.96s

4541	0.68419	0.73946	0.92526	1.00000	0.96s
4542	0.75496	0.70815	1.06610	1.00000	0.95s
4543	0.70476	0.68147	1.03417	1.00000	0.95s
4544	0.75611	0.69490	1.08808	1.00000	0.96s
4545	0.75962	0.82368	0.92222	0.93333	0.95s
4546	0.69882	0.71085	0.98308	1.00000	0.96s
4547	0.71463	0.68528	1.04283	1.00000	0.95s
4548	0.76813	0.70140	1.09513	1.00000	0.96s
4549	0.70422	0.67852	1.03789	1.00000	0.97s
4550	0.69604	0.70328	0.98971	1.00000	0.96s
4551	0.68926	0.67200	1.02568	1.00000	0.96s
4552	0.73451	0.67234	1.09246	1.00000	0.96s
4553	0.70665	0.78382	0.90155	0.96667	0.96s
4554	0.75257	0.69653	1.08047	1.00000	0.96s
4555	0.75382	0.67873	1.11063	1.00000	0.96s
4556	0.67781	0.66994	1.01175	1.00000	0.96s
4557	0.69746	0.68240	1.02207	1.00000	0.95s
4558	0.72181	0.71070	1.01563	0.96667	0.95s
4559	0.73537	0.67638	1.08721	1.00000	0.95s
4560	0.69786	0.67154	1.03919	1.00000	0.95s
4561	0.75197	0.74582	1.00824	0.96667	0.96s
4562	0.71241	0.67392	1.05711	1.00000	0.96s
4563	0.69024	0.68278	1.01092	1.00000	0.96s
4564	0.71342	0.70938	1.00570	0.96667	0.95s
4565	0.68593	0.68798	0.99701	1.00000	0.96s
4566	0.68653	0.69455	0.98846	1.00000	0.96s
4567	0.69671	0.68390	1.01872	1.00000	0.97s
4568	0.69031	0.70114	0.98455	1.00000	0.95s
4569	0.69094	0.66866	1.03333	1.00000	0.95s
4570	0.68291	0.66814	1.02210	1.00000	0.95s
4571	0.73995	0.67841	1.09071	1.00000	0.94s
4572	0.68586	0.67029	1.02323	1.00000	0.96s
4573	0.68558	0.67915	1.00947	1.00000	0.95s
4574	0.73058	0.72665	1.00540	0.96667	0.96s
4575	0.68906	0.68336	1.00834	1.00000	0.96s
4576	0.76432	0.66897	1.14252	1.00000	0.96s
4577	0.68955	0.66757	1.03293	1.00000	0.96s
4578	0.72912	0.66989	1.08841	1.00000	0.96s
4579	0.70714	0.67237	1.05171	1.00000	0.95s
4580	0.72849	0.67351	1.08163	1.00000	0.95s
4581	0.72059	0.66565	1.08253	1.00000	0.95s
4582	0.73384	0.66107	1.11008	1.00000	0.95s
4583	0.67460	0.66838	1.00930	1.00000	0.96s
4584	0.68994	0.74892	0.92125	0.96667	0.95s
4585	0.68855	0.66997	1.02773	1.00000	0.96s
4586	0.69914	0.66252	1.05527	1.00000	0.95s
4587	0.74068	0.76455	0.96878	0.96667	0.95s
4588	0.68256	0.81664	0.83581	0.96667	0.95s
4589	0.67906	0.66638	1.01902	1.00000	0.94s
4590	0.68958	0.68200	1.01111	1.00000	0.96s
4591	0.67661	0.71737	0.94318	0.96667	0.96s
4592	0.78192	0.79928	0.97828	0.96667	0.96s
4593	0.68897	0.65928	1.04505	1.00000	0.97s
4594	0.71260	0.65741	1.08395	1.00000	0.96s

4595	0.77154	0.66828	1.15452	1.00000	0.95s
4596	0.70518	0.66546	1.05970	1.00000	0.96s
4597	0.69678	0.66197	1.05258	1.00000	0.96s
4598	0.72070	0.67697	1.06459	1.00000	0.96s
4599	0.68423	0.65193	1.04955	1.00000	0.96s
4600	0.79806	0.69373	1.15039	1.00000	0.96s
4601	0.66194	0.77550	0.85356	0.93333	0.96s
4602	0.67421	0.83519	0.80726	0.96667	0.96s
4603	0.75656	0.66504	1.13761	1.00000	0.97s
4604	0.66685	0.65085	1.02458	1.00000	0.95s
4605	0.67831	0.67884	0.99922	1.00000	0.96s
4606	0.68464	0.65613	1.04344	1.00000	0.96s
4607	0.69513	0.88406	0.78629	0.96667	0.95s
4608	0.66033	0.66355	0.99515	1.00000	0.95s
4609	0.67650	0.87248	0.77538	0.96667	0.95s
4610	0.70450	0.65535	1.07498	1.00000	0.97s
4611	0.66807	0.68069	0.98146	1.00000	0.96s
4612	0.69411	0.69157	1.00368	1.00000	0.96s
4613	0.71232	0.65660	1.08485	1.00000	0.95s
4614	0.71205	0.69010	1.03181	0.96667	0.96s
4615	0.68195	0.67563	1.00936	1.00000	0.96s
4616	0.68759	0.69790	0.98522	1.00000	0.96s
4617	0.74530	0.65185	1.14337	1.00000	0.96s
4618	0.73538	0.68430	1.07464	1.00000	0.96s
4619	0.69735	0.66802	1.04391	1.00000	0.95s
4620	0.66945	0.66126	1.01240	1.00000	0.96s
4621	0.66170	0.65839	1.00502	1.00000	0.96s
4622	0.75222	0.68872	1.09221	1.00000	0.96s
4623	0.71461	0.66016	1.08247	1.00000	0.96s
4624	0.70596	0.68180	1.03543	1.00000	0.96s
4625	0.69814	0.71484	0.97663	0.96667	0.96s
4626	0.66105	0.64520	1.02456	1.00000	0.95s
4627	0.69257	0.64631	1.07158	1.00000	0.95s
4628	0.65986	0.65091	1.01375	1.00000	0.96s
4629	0.74520	0.68756	1.08384	0.96667	0.96s
4630	0.71646	0.67595	1.05992	1.00000	0.97s
4631	0.68185	0.64758	1.05293	1.00000	0.96s
4632	0.72394	0.66296	1.09198	1.00000	0.95s
4633	0.67978	0.64476	1.05431	1.00000	0.95s
4634	0.65287	0.69461	0.93992	0.96667	0.97s
4635	0.65511	0.71932	0.91075	0.96667	0.97s
4636	0.66853	0.67037	0.99726	1.00000	0.96s
4637	0.74006	0.64831	1.14153	1.00000	0.96s
4638	0.70411	0.67396	1.04472	1.00000	0.95s
4639	0.65391	0.65207	1.00281	1.00000	0.96s
4640	0.72019	0.64160	1.12250	1.00000	0.95s
4641	0.68058	0.66294	1.02660	1.00000	0.95s
4642	0.73289	0.64217	1.14127	1.00000	0.96s
4643	0.68670	0.64757	1.06042	1.00000	0.96s
4644	0.69966	0.71117	0.98382	0.96667	0.97s
4645	0.70376	0.66077	1.06505	1.00000	0.95s
4646	0.65527	0.64357	1.01817	1.00000	0.96s
4647	0.65327	0.79373	0.82304	0.96667	0.95s
4648	0.67537	0.63540	1.06291	1.00000	0.96s

```
   4649       0.67337       0.68537       0.98249       0.96667  0.95s
   4650       0.65539       0.64111       1.02227       1.00000  0.95s
   4651       0.69833       0.70226       0.99441       0.96667  0.95s
   4652       0.65401       0.66349       0.98571       1.00000  0.95s
   4653       0.65609       0.63928       1.02630       1.00000  0.96s
   4654       0.66036       0.64434       1.02487       1.00000  0.96s
   4655       0.69603       0.64769       1.07463       1.00000  0.95s
   4656       0.68479       0.67284       1.01776       1.00000  0.95s
   4657       0.69796       0.65107       1.07201       1.00000  0.96s
   4658       0.66983       0.65810       1.01783       1.00000  0.96s
   4659       0.66556       0.78048       0.85276       0.93333  0.95s
   4660       0.72710       0.64458       1.12803       1.00000  0.96s
   4661       0.67555       0.63991       1.05569       1.00000  0.96s
   4662       0.65124       0.64892       1.00357       1.00000  0.96s
   4663       0.67267       0.64058       1.05010       1.00000  0.95s
   4664       0.64062       0.64707       0.99003       1.00000  0.95s
   4665       0.65435       0.65841       0.99383       0.96667  0.95s
   4666       0.66557       0.63548       1.04735       1.00000  0.96s
   4667       0.70755       0.63989       1.10574       1.00000  0.95s
   4668       0.66399       0.67531       0.98325       0.96667  0.95s
   4669       0.65715       0.70947       0.92626       0.96667  0.95s
   4670       0.64407       0.71314       0.90314       0.96667  0.96s
   4671       0.65355       0.64366       1.01536       1.00000  0.95s
   4672       0.68817       0.64063       1.07421       1.00000  0.96s
   4673       0.69070       0.63692       1.08444       1.00000  0.95s
   4674       0.68245       0.70680       0.96556       0.96667  0.96s
   4675       0.69209       0.62728       1.10331       1.00000  0.98s
   4676       0.65189       0.63479       1.02695       1.00000  0.96s
   4677       0.66426       0.62597       1.06118       1.00000  0.95s
   4678       0.65275       0.62829       1.03894       1.00000  0.95s
   4679       0.65175       0.63639       1.02413       1.00000  0.96s
   4680       0.67723       0.63126       1.07282       1.00000  0.95s
   4681       0.72930       0.64754       1.12627       1.00000  0.95s
   4682       0.65498       0.62172       1.05351       1.00000  0.96s
   4683       0.67039       0.63439       1.05675       1.00000  0.95s
   4684       0.75647       0.65173       1.16071       1.00000  0.95s
   4685       0.66505       0.62429       1.06528       1.00000  0.95s
   4686       0.64568       0.66003       0.97825       1.00000  0.96s
   4687       0.68848       0.62093       1.10880       1.00000  0.96s
   4688       0.65706       0.67701       0.97054       0.96667  0.96s
   4689       0.65128       0.66728       0.97603       1.00000  0.96s
   4690       0.65246       0.64411       1.01297       1.00000  0.95s
   4691       0.76866       0.62760       1.22475       1.00000  0.95s
   4692       0.67722       0.74058       0.91444       0.96667  0.96s
   4693       0.66185       0.65137       1.01608       1.00000  0.95s
   4694       0.68007       0.68446       0.99359       1.00000  0.95s
   4695       0.67667       0.65092       1.03957       1.00000  0.95s
   4696       0.75066       0.73210       1.02536       0.93333  0.95s
   4697       0.66495       0.72876       0.91243       0.96667  0.95s
   4698       0.67494       0.62493       1.08002       1.00000  0.96s
   4699       0.66282       0.72691       0.91184       0.96667  0.96s
   4700       0.73797       0.63089       1.16972       1.00000  0.96s
Regularization term: 0.610974550247
2016-07-26 22:53:18,676 - root - INFO - Duration of saving to disk: 0:00:19
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2016-07-26 22:53:30,220 - root - INFO - Duration of validation: 0:00:11
   4701       0.67326       0.63749       1.05610       1.00000  0.99s
   4702       0.67175       0.61685       1.08901       1.00000  0.96s
   4703       0.63491       0.63745       0.99602       1.00000  0.95s
   4704       0.63997       0.64571       0.99112       1.00000  0.95s
   4705       0.65121       0.62946       1.03456       1.00000  0.96s
   4706       0.67259       0.63597       1.05758       1.00000  0.96s
   4707       0.64877       0.61799       1.04981       1.00000  0.95s
   4708       0.63903       0.72308       0.88377       0.93333  0.97s
   4709       0.67753       0.62183       1.08958       1.00000  0.95s
   4710       0.62569       0.61406       1.01894       1.00000  0.96s
   4711       0.66320       0.62651       1.05857       1.00000  0.95s
   4712       0.70777       0.61183       1.15682       1.00000  0.95s
   4713       0.73343       0.61697       1.18876       1.00000  0.95s
   4714       0.63138       0.67892       0.92997       0.96667  0.96s
   4715       0.65521       0.62980       1.04036       1.00000  0.95s
   4716       0.64882       0.62546       1.03736       1.00000  0.96s
   4717       0.65673       0.62401       1.05244       1.00000  0.95s
   4718       0.64774       0.62990       1.02832       1.00000  0.96s
   4719       0.65469       0.62159       1.05326       1.00000  0.95s
   4720       0.70075       0.62160       1.12734       1.00000  0.96s
   4721       0.66334       0.86673       0.76533       0.93333  0.96s
   4722       0.71184       0.66852       1.06479       0.96667  0.95s
   4723       0.63491       0.62342       1.01843       1.00000  0.95s
   4724       0.65465       0.62928       1.04032       1.00000  0.95s
   4725       0.62273       0.61777       1.00803       1.00000  0.97s
   4726       0.69316       0.64196       1.07974       0.96667  0.95s
   4727       0.65046       0.61439       1.05871       1.00000  0.96s
   4728       0.67543       0.68330       0.98849       0.96667  0.96s
   4729       0.63934       0.62004       1.03113       1.00000  0.95s
   4730       0.66658       0.61697       1.08040       1.00000  0.96s
   4731       0.78591       0.62732       1.25280       1.00000  0.96s
   4732       0.63970       0.61053       1.04778       1.00000  0.95s
   4733       0.64947       0.61392       1.05791       1.00000  0.96s
   4734       0.62374       0.66239       0.94164       0.96667  0.96s
   4735       0.64735       0.61631       1.05036       1.00000  0.96s
   4736       0.65019       0.71734       0.90639       0.93333  0.96s
   4737       0.62923       0.62570       1.00565       1.00000  0.95s
   4738       0.62629       0.61001       1.02669       1.00000  0.95s
   4739       0.66786       0.60940       1.09593       1.00000  0.95s
   4740       0.64409       0.60941       1.05690       1.00000  0.96s
   4741       0.66324       0.61872       1.07195       1.00000  0.95s
   4742       0.66879       0.66688       1.00285       0.96667  0.95s
   4743       0.62649       0.61393       1.02045       1.00000  0.96s
   4744       0.63044       0.60866       1.03579       1.00000  0.95s
   4745       0.68939       0.62015       1.11165       1.00000  0.95s
   4746       0.62855       0.61025       1.02999       1.00000  0.95s
   4747       0.63238       0.61970       1.02047       1.00000  0.95s
   4748       0.75939       0.61160       1.24164       1.00000  0.95s
   4749       0.66199       0.62335       1.06198       1.00000  0.96s
   4750       0.65500       0.64453       1.01625       1.00000  0.95s
   4751       0.65209       0.62677       1.04039       1.00000  0.95s
   4752       0.67542       0.64692       1.04405       1.00000  0.96s
   4753       0.66890       0.61300       1.09120       1.00000  0.96s
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4754	0.64603	0.76255	0.84720	0.93333	0.96s
4755	0.64557	0.64524	1.00052	1.00000	0.96s
4756	0.67396	0.62633	1.07605	1.00000	0.96s
4757	0.65513	0.61104	1.07215	1.00000	0.95s
4758	0.65744	0.64028	1.02680	1.00000	0.96s
4759	0.63806	0.60690	1.05134	1.00000	0.96s
4760	0.64700	0.61990	1.04371	1.00000	0.98s
4761	0.64891	0.61350	1.05771	1.00000	0.98s
4762	0.63026	0.62977	1.00078	1.00000	0.99s
4763	0.64548	0.61613	1.04764	1.00000	0.98s
4764	0.61311	0.63591	0.96414	0.96667	0.96s
4765	0.63552	0.61729	1.02954	1.00000	0.95s
4766	0.64822	0.60451	1.07230	1.00000	0.96s
4767	0.62268	0.61058	1.01982	1.00000	0.98s
4768	0.67151	0.64916	1.03442	0.96667	0.96s
4769	0.61047	0.60376	1.01110	1.00000	0.96s
4770	0.63776	0.67615	0.94322	0.96667	0.96s
4771	0.65110	0.64365	1.01157	1.00000	0.96s
4772	0.62312	0.67483	0.92338	0.96667	0.96s
4773	0.62399	0.60418	1.03278	1.00000	0.96s
4774	0.64492	0.62507	1.03175	0.96667	0.96s
4775	0.62447	0.61851	1.00964	1.00000	0.95s
4776	0.69044	0.62058	1.11257	1.00000	0.96s
4777	0.62999	0.67347	0.93544	0.96667	0.96s
4778	0.63553	0.63266	1.00453	1.00000	0.95s
4779	0.74562	0.66382	1.12323	0.96667	0.96s
4780	0.67869	0.60870	1.11499	1.00000	0.95s
4781	0.62269	0.59993	1.03793	1.00000	0.95s
4782	0.67323	0.59440	1.13263	1.00000	0.95s
4783	0.64375	0.61265	1.05077	1.00000	0.96s
4784	0.61426	0.60001	1.02375	1.00000	0.96s
4785	0.62055	0.59704	1.03938	1.00000	0.96s
4786	0.66627	0.61748	1.07902	1.00000	0.95s
4787	0.68499	0.67973	1.00773	0.96667	0.95s
4788	0.60913	0.60964	0.99915	1.00000	0.95s
4789	0.62720	0.62734	0.99977	1.00000	0.96s
4790	0.62710	0.73712	0.85075	0.96667	0.96s
4791	0.68555	0.62381	1.09898	1.00000	0.97s
4792	0.65391	0.59443	1.10007	1.00000	0.96s
4793	0.61331	0.60650	1.01122	1.00000	0.95s
4794	0.73422	0.64303	1.14182	0.96667	0.96s
4795	0.77188	0.59844	1.28982	1.00000	0.95s
4796	0.62938	0.65605	0.95935	0.96667	0.95s
4797	0.72982	0.58855	1.24003	1.00000	0.96s
4798	0.66416	0.61796	1.07476	1.00000	0.96s
4799	0.63851	0.58815	1.08561	1.00000	0.95s
4800	0.66073	0.59683	1.10708	1.00000	0.96s
4801	0.64317	0.59106	1.08817	1.00000	0.95s
4802	0.64369	0.61377	1.04874	1.00000	0.95s
4803	0.68647	0.61543	1.11543	1.00000	0.95s
4804	0.63807	0.60452	1.05550	1.00000	0.95s
4805	0.59803	0.65671	0.91065	0.96667	0.95s
4806	0.62749	0.60866	1.03095	1.00000	0.96s
4807	0.62704	0.65573	0.95625	0.96667	0.96s

4808	0.63649	0.60399	1.05381	1.00000	0.97s
4809	0.66081	0.59330	1.11378	1.00000	0.95s
4810	0.68062	0.58958	1.15442	1.00000	0.96s
4811	0.69094	0.59420	1.16282	1.00000	0.96s
4812	0.60630	0.76051	0.79722	0.93333	0.96s
4813	0.64887	0.60910	1.06530	1.00000	0.97s
4814	0.61525	0.60786	1.01215	1.00000	0.97s
4815	0.61951	0.61330	1.01013	1.00000	0.97s
4816	0.61757	0.59644	1.03542	1.00000	0.96s
4817	0.60465	0.61561	0.98220	1.00000	0.96s
4818	0.61197	0.58717	1.04224	1.00000	0.97s
4819	0.66406	0.83963	0.79090	0.86667	0.96s
4820	0.66343	0.60453	1.09742	1.00000	0.96s
4821	0.64325	0.60539	1.06253	1.00000	0.96s
4822	0.61262	0.61290	0.99954	1.00000	0.96s
4823	0.63616	0.62573	1.01667	1.00000	0.96s
4824	0.61029	0.62708	0.97322	1.00000	0.96s
4825	0.61240	0.61462	0.99639	1.00000	0.96s
4826	0.69482	0.59071	1.17624	1.00000	0.96s
4827	0.65763	0.61660	1.06654	1.00000	0.96s
4828	0.62101	0.62315	0.99656	0.96667	0.97s
4829	0.65787	0.59659	1.10272	1.00000	0.96s
4830	0.61615	0.58129	1.05998	1.00000	0.96s
4831	0.68027	0.62200	1.09368	1.00000	0.97s
4832	0.63391	0.58252	1.08821	1.00000	0.96s
4833	0.61957	0.58121	1.06600	1.00000	0.96s
4834	0.61981	0.75312	0.82300	0.96667	0.95s
4835	0.65033	0.58375	1.11405	1.00000	0.97s
4836	0.60054	0.81102	0.74047	0.96667	0.96s
4837	0.61558	0.75212	0.81847	0.96667	0.96s
4838	0.60515	0.69488	0.87086	0.90000	0.96s
4839	0.67557	0.62890	1.07420	0.96667	0.96s
4840	0.62496	0.57708	1.08296	1.00000	0.96s
4841	0.59600	0.58152	1.02490	1.00000	0.96s
4842	0.61905	0.58849	1.05193	1.00000	0.97s
4843	0.63992	0.58683	1.09046	1.00000	0.97s
4844	0.60387	0.57841	1.04402	1.00000	0.97s
4845	0.63203	0.59599	1.06048	1.00000	0.96s
4846	0.69296	0.57576	1.20355	1.00000	0.97s
4847	0.60596	0.58388	1.03780	1.00000	0.96s
4848	0.62822	0.73724	0.85211	0.93333	0.96s
4849	0.59042	0.58393	1.01112	1.00000	0.96s
4850	0.65893	0.66487	0.99107	0.96667	0.96s
4851	0.63477	0.76987	0.82452	0.96667	0.96s
4852	0.62108	0.60558	1.02560	1.00000	0.96s
4853	0.60913	0.58489	1.04143	1.00000	0.96s
4854	0.64254	0.61486	1.04502	0.96667	0.96s
4855	0.59102	0.79570	0.74276	0.96667	0.96s
4856	0.66712	0.58814	1.13429	1.00000	0.96s
4857	0.60562	0.61787	0.98017	1.00000	0.96s
4858	0.62914	0.71972	0.87414	0.96667	0.96s
4859	0.62033	0.63421	0.97811	1.00000	0.97s
4860	0.62445	0.58703	1.06374	1.00000	0.96s
4861	0.66246	0.57962	1.14293	1.00000	0.97s

4862	0.60692	0.61608	0.98514	1.00000	0.96s
4863	0.66296	0.58689	1.12960	1.00000	0.97s
4864	0.67850	0.61286	1.10710	0.96667	0.96s
4865	0.64534	0.61497	1.04938	0.96667	0.96s
4866	0.61741	0.58497	1.05547	1.00000	0.97s
4867	0.64985	0.61649	1.05411	1.00000	0.96s
4868	0.66799	0.58989	1.13241	1.00000	0.96s
4869	0.60206	0.64081	0.93953	0.96667	0.96s
4870	0.61155	0.65279	0.93683	0.96667	0.95s
4871	0.76115	0.58008	1.31215	1.00000	0.96s
4872	0.62639	0.62573	1.00106	0.96667	0.96s
4873	0.59009	0.57487	1.02647	1.00000	0.95s
4874	0.59174	0.65369	0.90523	0.96667	0.96s
4875	0.68793	0.66652	1.03212	0.96667	0.96s
4876	0.65114	0.63701	1.02219	0.96667	0.97s
4877	0.60521	0.60502	1.00032	1.00000	0.96s
4878	0.64366	0.64078	1.00450	0.96667	0.96s
4879	0.59235	0.57424	1.03155	1.00000	0.97s
4880	0.63489	0.72166	0.87977	0.96667	0.97s
4881	0.61212	0.57059	1.07278	1.00000	0.97s
4882	0.66072	0.57894	1.14127	1.00000	0.96s
4883	0.60183	0.64303	0.93593	0.96667	0.96s
4884	0.61336	0.58431	1.04972	1.00000	0.96s
4885	0.64293	0.68524	0.93826	0.93333	0.96s
4886	0.60266	0.57710	1.04430	1.00000	0.97s
4887	0.60972	0.57783	1.05519	1.00000	0.97s
4888	0.62603	0.59182	1.05781	1.00000	0.97s
4889	0.60770	0.57180	1.06277	1.00000	0.96s
4890	0.63981	0.58006	1.10301	1.00000	0.96s
4891	0.59522	0.60073	0.99082	1.00000	0.96s
4892	0.63102	0.57347	1.10037	1.00000	0.98s
4893	0.60461	0.59089	1.02323	1.00000	0.97s
4894	0.62386	0.60384	1.03315	1.00000	0.97s
4895	0.62517	0.60333	1.03620	1.00000	0.96s
4896	0.60625	0.56311	1.07661	1.00000	0.97s
4897	0.62133	0.59388	1.04623	1.00000	0.96s
4898	0.61107	0.58154	1.05077	1.00000	0.96s
4899	0.61978	0.67269	0.92135	0.96667	0.96s
4900	0.60749	0.58064	1.04625	1.00000	0.97s
4901	0.59993	0.62695	0.95690	0.96667	0.96s
4902	0.60261	0.62282	0.96755	0.96667	0.96s
4903	0.64899	0.59650	1.08800	1.00000	0.97s
4904	0.64266	0.58283	1.10267	1.00000	0.97s
4905	0.61271	0.60949	1.00529	0.96667	0.96s
4906	0.58522	0.60731	0.96364	0.96667	0.96s
4907	0.64394	0.59787	1.07705	1.00000	0.97s
4908	0.61642	0.57857	1.06541	1.00000	0.97s
4909	0.67865	0.71194	0.95325	0.93333	0.96s
4910	0.62562	0.64127	0.97560	0.96667	0.97s
4911	0.59830	0.60201	0.99383	1.00000	0.96s
4912	0.62045	0.60167	1.03122	0.96667	0.96s
4913	0.61415	0.57019	1.07710	1.00000	0.95s
4914	0.64787	0.59622	1.08663	1.00000	0.96s
4915	0.60044	0.57166	1.05033	1.00000	0.96s

4916	0.61448	0.57571	1.06734	1.00000	0.95s
4917	0.65444	0.57582	1.13654	1.00000	0.96s
4918	0.59570	0.58188	1.02375	1.00000	0.96s
4919	0.59083	0.56910	1.03818	1.00000	0.96s
4920	0.63533	0.57151	1.11167	1.00000	0.95s
4921	0.57745	0.56806	1.01655	1.00000	0.96s
4922	0.64230	0.59788	1.07429	1.00000	0.97s
4923	0.65889	0.61687	1.06811	0.96667	0.96s
4924	0.61727	0.57449	1.07448	1.00000	0.96s
4925	0.60810	0.59207	1.02708	1.00000	0.96s
4926	0.57998	0.55950	1.03661	1.00000	0.96s
4927	0.59391	0.55916	1.06216	1.00000	0.96s
4928	0.61399	0.57714	1.06386	1.00000	0.95s
4929	0.66163	0.56674	1.16744	1.00000	0.96s
4930	0.66460	0.60965	1.09014	0.96667	0.95s
4931	0.60709	0.69501	0.87349	0.96667	0.97s
4932	0.61997	0.55827	1.11051	1.00000	0.96s
4933	0.63487	0.57219	1.10954	1.00000	0.95s
4934	0.65513	0.56856	1.15226	1.00000	0.96s
4935	0.61070	0.55845	1.09357	1.00000	0.96s
4936	0.64187	0.57293	1.12034	1.00000	0.95s
4937	0.59102	0.58883	1.00372	1.00000	0.96s
4938	0.62390	0.56114	1.11185	1.00000	0.95s
4939	0.56852	0.56811	1.00072	1.00000	0.96s
4940	0.59037	0.70200	0.84098	0.93333	0.96s
4941	0.58726	0.56451	1.04031	1.00000	0.96s
4942	0.58206	0.61814	0.94163	0.96667	0.96s
4943	0.57898	0.81781	0.70797	0.93333	0.95s
4944	0.62227	0.57155	1.08874	1.00000	0.96s
4945	0.61369	0.60715	1.01078	1.00000	0.96s
4946	0.60022	0.56426	1.06374	1.00000	0.96s
4947	0.60786	0.58438	1.04017	1.00000	0.95s
4948	0.71324	0.55901	1.27589	1.00000	0.96s
4949	0.62495	0.57259	1.09145	1.00000	0.95s
4950	0.61785	0.61961	0.99716	1.00000	0.96s
4951	0.57084	0.55791	1.02318	1.00000	0.96s
4952	0.70063	0.56191	1.24687	1.00000	0.96s
4953	0.69872	0.62708	1.11424	0.96667	0.95s
4954	0.58785	0.61392	0.95754	1.00000	0.96s
4955	0.60637	0.61830	0.98070	1.00000	0.96s
4956	0.62503	0.56377	1.10866	1.00000	0.96s
4957	0.58573	0.56896	1.02947	1.00000	0.96s
4958	0.58772	0.56324	1.04347	1.00000	0.95s
4959	0.59371	0.55386	1.07194	1.00000	0.96s
4960	0.61542	0.56178	1.09550	1.00000	0.95s
4961	0.61965	0.58406	1.06093	1.00000	0.96s
4962	0.58799	0.56356	1.04335	1.00000	0.96s
4963	0.64943	0.58077	1.11822	1.00000	0.95s
4964	0.57227	0.60063	0.95278	1.00000	0.96s
4965	0.59145	0.57231	1.03345	1.00000	0.95s
4966	0.61973	0.55486	1.11691	1.00000	0.96s
4967	0.61508	0.61795	0.99535	0.96667	0.95s
4968	0.57946	0.56755	1.02100	1.00000	0.95s
4969	0.66938	0.56179	1.19152	1.00000	0.96s

4970	0.58274	0.68943	0.84525	0.96667	0.95s
4971	0.57686	0.55972	1.03062	1.00000	0.96s
4972	0.58547	0.69152	0.84664	0.96667	0.96s
4973	0.57256	0.55767	1.02670	1.00000	0.95s
4974	0.56750	0.55862	1.01591	1.00000	0.95s
4975	0.59862	0.56549	1.05859	1.00000	0.96s
4976	0.61521	0.56240	1.09389	1.00000	0.96s
4977	0.66827	0.58275	1.14677	1.00000	0.95s
4978	0.59083	0.58006	1.01857	1.00000	0.95s
4979	0.59595	0.56882	1.04769	1.00000	0.95s
4980	0.61767	0.56680	1.08974	1.00000	0.97s
4981	0.59138	0.56380	1.04891	1.00000	0.95s
4982	0.61087	0.77721	0.78598	0.96667	0.96s
4983	0.58143	0.75312	0.77203	0.90000	0.95s
4984	0.57307	0.64816	0.88414	0.96667	0.96s
4985	0.63967	0.62933	1.01642	0.96667	0.95s
4986	0.60952	0.55499	1.09826	1.00000	0.95s
4987	0.61879	0.55188	1.12125	1.00000	0.94s
4988	0.60442	0.55388	1.09124	1.00000	0.95s
4989	0.59509	0.56435	1.05446	1.00000	0.96s
4990	0.61042	0.54912	1.11164	1.00000	0.96s
4991	0.59500	0.55068	1.08048	1.00000	0.96s
4992	0.61509	0.56690	1.08499	1.00000	0.95s
4993	0.62589	0.65667	0.95312	0.93333	0.96s
4994	0.61860	0.56029	1.10407	1.00000	0.95s
4995	0.58771	0.58416	1.00608	0.96667	0.95s
4996	0.57999	0.55054	1.05349	1.00000	0.95s
4997	0.57553	0.54998	1.04646	1.00000	0.96s
4998	0.58541	0.56344	1.03899	1.00000	0.96s
4999	0.65653	0.55941	1.17362	1.00000	0.94s
5000	0.62063	0.56085	1.10658	1.00000	0.95s
5001	0.58327	0.54890	1.06262	1.00000	0.95s
5002	0.61414	0.58686	1.04649	1.00000	0.95s
5003	0.58195	0.55660	1.04554	1.00000	0.95s
5004	0.58803	0.54644	1.07612	1.00000	0.95s
5005	0.58033	0.56546	1.02631	1.00000	0.96s
5006	0.62938	0.55514	1.13373	1.00000	0.96s
5007	0.62949	0.56094	1.12221	1.00000	0.94s
5008	0.63750	0.55276	1.15331	1.00000	0.96s
5009	0.63430	0.57379	1.10546	1.00000	0.95s
5010	0.61307	0.55549	1.10366	1.00000	0.96s
5011	0.60651	0.58161	1.04282	1.00000	0.96s
5012	0.59840	0.60161	0.99467	0.96667	0.95s
5013	0.57659	0.54482	1.05831	1.00000	0.95s
5014	0.57230	0.54601	1.04816	1.00000	0.94s
5015	0.70396	0.57097	1.23293	1.00000	0.95s
5016	0.60724	0.59443	1.02155	0.96667	0.96s
5017	0.60130	0.54824	1.09677	1.00000	0.94s
5018	0.60717	0.54436	1.11538	1.00000	0.96s
5019	0.56738	0.58254	0.97398	1.00000	0.98s
5020	0.66099	0.68969	0.95840	0.96667	0.95s
5021	0.62142	0.54417	1.14196	1.00000	0.97s
5022	0.59669	0.55423	1.07662	1.00000	0.95s
5023	0.57264	0.56374	1.01579	1.00000	0.95s

5024	0.62971	0.54396	1.15764	1.00000	0.96s
5025	0.62141	0.54471	1.14080	1.00000	0.96s
5026	0.57482	0.56572	1.01610	1.00000	0.95s
5027	0.58185	0.56145	1.03633	1.00000	0.96s
5028	0.56813	0.57396	0.98984	1.00000	0.96s
5029	0.61990	0.55065	1.12576	1.00000	0.96s
5030	0.56228	0.55325	1.01632	1.00000	0.95s
5031	0.61025	0.60382	1.01066	0.96667	0.95s
5032	0.60943	0.54313	1.12206	1.00000	0.95s
5033	0.65028	0.56096	1.15923	1.00000	0.95s
5034	0.59036	0.54894	1.07546	1.00000	0.96s
5035	0.56135	0.56232	0.99827	1.00000	0.95s
5036	0.58314	0.55159	1.05720	1.00000	0.96s
5037	0.61888	0.53952	1.14711	1.00000	0.96s
5038	0.57184	0.54120	1.05662	1.00000	0.95s
5039	0.60385	0.56762	1.06382	1.00000	0.96s
5040	0.57413	0.60654	0.94657	1.00000	0.96s
5041	0.56689	0.62071	0.91328	0.96667	0.96s
5042	0.57790	0.60416	0.95653	0.96667	0.95s
5043	0.57829	0.59020	0.97981	0.96667	0.95s
5044	0.57661	0.55332	1.04209	1.00000	0.96s
5045	0.59679	0.56709	1.05237	1.00000	0.95s
5046	0.62644	0.63573	0.98538	0.96667	0.95s
5047	0.56382	0.54473	1.03504	1.00000	0.96s
5048	0.61569	0.54617	1.12727	1.00000	0.96s
5049	0.61545	0.55742	1.10410	1.00000	0.95s
5050	0.57061	0.58526	0.97497	0.96667	0.95s
5051	0.68307	0.55127	1.23908	1.00000	0.95s
5052	0.55249	0.54347	1.01661	1.00000	0.95s
5053	0.57741	0.54073	1.06784	1.00000	0.95s
5054	0.61433	0.55820	1.10055	1.00000	0.96s
5055	0.57219	0.54824	1.04369	1.00000	0.96s
5056	0.57575	0.61029	0.94341	0.96667	0.96s
5057	0.58658	0.66713	0.87926	0.93333	0.95s
5058	0.59697	0.57333	1.04123	0.96667	0.96s
5059	0.63651	0.56320	1.13016	1.00000	0.95s
5060	0.58792	0.58805	0.99978	1.00000	0.96s
5061	0.56618	0.55262	1.02453	1.00000	0.97s
5062	0.60878	0.55858	1.08985	1.00000	0.96s
5063	0.59287	0.55191	1.07422	1.00000	0.95s
5064	0.58165	0.53727	1.08259	1.00000	0.96s
5065	0.59785	0.55169	1.08366	1.00000	0.96s
5066	0.58216	0.57574	1.01116	1.00000	0.96s
5067	0.57475	0.54562	1.05339	1.00000	0.96s
5068	0.56234	0.54437	1.03300	1.00000	0.96s
5069	0.58936	0.54253	1.08633	1.00000	0.95s
5070	0.61581	0.54781	1.12413	1.00000	0.97s
5071	0.57878	0.56563	1.02325	1.00000	0.95s
5072	0.56158	0.54388	1.03255	1.00000	0.95s
5073	0.58057	0.56154	1.03389	1.00000	0.96s
5074	0.55358	0.54448	1.01671	1.00000	0.95s
5075	0.60766	0.54911	1.10663	1.00000	0.95s
5076	0.57573	0.54104	1.06412	1.00000	0.95s
5077	0.57263	0.58845	0.97312	1.00000	0.95s

5078	0.55992	0.53622	1.04420	1.00000	0.97s
5079	0.61156	0.54282	1.12663	1.00000	0.95s
5080	0.56204	0.53245	1.05558	1.00000	0.97s
5081	0.55332	0.59487	0.93016	0.96667	0.96s
5082	0.56289	0.53706	1.04808	1.00000	0.95s
5083	0.64649	0.60011	1.07729	0.96667	0.95s
5084	0.59151	0.53245	1.11093	1.00000	0.95s
5085	0.57329	0.62112	0.92299	0.96667	0.95s
5086	0.57592	0.53203	1.08250	1.00000	0.95s
5087	0.59163	0.54829	1.07905	1.00000	0.99s
5088	0.57529	0.54045	1.06447	1.00000	0.99s
5089	0.62667	0.54474	1.15040	1.00000	0.96s
5090	0.55620	0.58235	0.95511	0.96667	0.97s
5091	0.56194	0.62366	0.90104	0.96667	0.96s
5092	0.57131	0.55430	1.03069	1.00000	0.99s
5093	0.58736	0.53389	1.10015	1.00000	0.97s
5094	0.56003	0.56856	0.98500	1.00000	0.96s
5095	0.59090	0.57102	1.03481	1.00000	0.97s
5096	0.56837	0.57613	0.98654	1.00000	0.97s
5097	0.57537	0.55031	1.04554	1.00000	0.97s
5098	0.55356	0.56450	0.98061	0.96667	1.00s
5099	0.59047	0.57803	1.02153	1.00000	1.01s
5100	0.59642	0.53504	1.11472	1.00000	0.99s
5101	0.57197	0.53576	1.06760	1.00000	0.97s
5102	0.57013	0.53204	1.07158	1.00000	0.97s
5103	0.58110	0.54377	1.06866	1.00000	0.97s
5104	0.56419	0.53330	1.05792	1.00000	0.97s
5105	0.59732	0.54573	1.09453	1.00000	0.99s
5106	0.56472	0.58133	0.97141	0.96667	0.98s
5107	0.61504	0.61145	1.00588	0.96667	0.96s
5108	0.56295	0.57822	0.97360	0.96667	0.96s
5109	0.63170	0.53769	1.17485	1.00000	0.97s
5110	0.55638	0.58289	0.95452	0.96667	0.98s
5111	0.55351	0.54366	1.01812	1.00000	0.97s
5112	0.59205	0.52722	1.12298	1.00000	0.96s
5113	0.55995	0.53376	1.04906	1.00000	0.96s
5114	0.55697	0.61510	0.90549	0.96667	0.96s
5115	0.56127	0.53653	1.04611	1.00000	0.95s
5116	0.59106	0.56027	1.05494	1.00000	1.00s
5117	0.59293	0.52792	1.12313	1.00000	0.98s
5118	0.60773	0.55163	1.10170	1.00000	0.96s
5119	0.56437	0.55391	1.01887	1.00000	0.96s
5120	0.56821	0.53905	1.05410	1.00000	0.96s
5121	0.54171	0.53441	1.01367	1.00000	0.96s
5122	0.58435	0.61856	0.94470	0.96667	0.95s
5123	0.54961	0.60162	0.91355	0.96667	0.95s
5124	0.54675	0.52770	1.03611	1.00000	0.96s
5125	0.59755	0.55646	1.07384	1.00000	0.96s
5126	0.59172	0.55795	1.06053	1.00000	0.95s
5127	0.54617	0.54103	1.00950	1.00000	0.96s
5128	0.59018	0.52708	1.11971	1.00000	0.96s
5129	0.58011	0.53868	1.07690	1.00000	0.96s
5130	0.55528	0.55417	1.00199	1.00000	0.96s
5131	0.58296	0.61084	0.95436	1.00000	0.96s

5132	0.57063	0.54466	1.04769	1.00000	0.96s
5133	0.58885	0.61880	0.95160	0.96667	0.96s
5134	0.54832	0.52466	1.04509	1.00000	0.97s
5135	0.57046	0.52761	1.08121	1.00000	0.96s
5136	0.58493	0.52720	1.10949	1.00000	0.96s
5137	0.57227	0.58099	0.98500	1.00000	0.96s
5138	0.57260	0.54576	1.04918	1.00000	0.97s
5139	0.58148	0.59173	0.98268	0.96667	0.96s
5140	0.57702	0.53100	1.08667	1.00000	0.96s
5141	0.58725	0.58445	1.00478	1.00000	0.96s
5142	0.56423	0.54122	1.04252	1.00000	0.96s
5143	0.58847	0.61110	0.96297	0.96667	0.96s
5144	0.56255	0.60651	0.92751	1.00000	0.96s
5145	0.56875	0.59272	0.95956	0.96667	0.96s
5146	0.64432	0.54228	1.18816	1.00000	0.96s
5147	0.54829	0.53323	1.02823	1.00000	0.96s
5148	0.62188	0.52776	1.17835	1.00000	0.96s
5149	0.56944	0.67663	0.84158	0.96667	0.96s
5150	0.55323	0.53181	1.04029	1.00000	0.96s
5151	0.56494	0.56555	0.99893	1.00000	0.95s
5152	0.56704	0.54821	1.03436	1.00000	0.95s
5153	0.60077	0.56351	1.06611	0.96667	0.95s
5154	0.54797	0.68391	0.80122	0.93333	0.96s
5155	0.53825	0.56025	0.96074	1.00000	0.95s
5156	0.55659	0.52811	1.05393	1.00000	0.94s
5157	0.55354	0.52426	1.05586	1.00000	0.95s
5158	0.54700	0.53346	1.02539	1.00000	0.96s
5159	0.54937	0.52754	1.04137	1.00000	0.94s
5160	0.56380	0.52305	1.07791	1.00000	0.95s
5161	0.57638	0.53518	1.07698	1.00000	0.96s
5162	0.60568	0.53149	1.13958	1.00000	0.97s
5163	0.59449	0.52601	1.13021	1.00000	0.95s
5164	0.54783	0.52460	1.04428	1.00000	0.95s
5165	0.57600	0.53375	1.07916	1.00000	0.95s
5166	0.57903	0.52481	1.10331	1.00000	0.96s
5167	0.54052	0.53697	1.00661	1.00000	0.96s
5168	0.60218	0.51996	1.15812	1.00000	0.96s
5169	0.55327	0.57264	0.96617	0.96667	0.96s
5170	0.54620	0.55390	0.98610	1.00000	0.95s
5171	0.54367	0.51841	1.04872	1.00000	0.96s
5172	0.61713	0.54671	1.12881	1.00000	0.99s
5173	0.56152	0.75917	0.73965	0.93333	0.95s
5174	0.53654	0.52992	1.01249	1.00000	0.95s
5175	0.60596	0.53985	1.12246	1.00000	0.95s
5176	0.59040	0.56829	1.03890	1.00000	0.96s
5177	0.63375	0.52934	1.19725	1.00000	0.95s
5178	0.54231	0.52878	1.02559	1.00000	0.96s
5179	0.62618	0.53107	1.17908	1.00000	0.95s
5180	0.58049	0.53211	1.09093	1.00000	0.95s
5181	0.55073	0.55439	0.99340	0.96667	0.96s
5182	0.53718	0.55062	0.97560	1.00000	0.96s
5183	0.57026	0.53487	1.06616	1.00000	0.96s
5184	0.54219	0.53388	1.01555	1.00000	0.95s
5185	0.57105	0.56152	1.01697	1.00000	0.95s

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   5186       0.55535       0.53124       1.04537       1.00000  0.97s
   5187       0.53407       0.55464       0.96292       0.96667  0.96s
   5188       0.52857       0.54786       0.96479       1.00000  0.96s
   5189       0.55179       0.54607       1.01048       0.96667  0.96s
   5190       0.54656       0.58457       0.93498       1.00000  0.95s
   5191       0.56728       0.52910       1.07215       1.00000  0.96s
   5192       0.56943       0.54055       1.05344       1.00000  0.94s
   5193       0.54257       0.52344       1.03656       1.00000  0.95s
   5194       0.54625       0.52073       1.04902       1.00000  0.96s
   5195       0.56622       0.54476       1.03939       1.00000  0.97s
   5196       0.55718       0.58109       0.95885       0.96667  0.96s
   5197       0.63478       0.54486       1.16503       1.00000  0.96s
   5198       0.62072       0.52648       1.17900       1.00000  0.95s
   5199       0.55436       0.51602       1.07431       1.00000  0.96s
   5200       0.54402       0.58462       0.93055       0.96667  0.96s
Regularization term: 0.507309377193
2016-07-26 23:01:55,052 - root - INFO - Duration of saving to disk: 0:00:18
2016-07-26 23:02:04,902 - root - INFO - Duration of validation: 0:00:09
   5201       0.62219       0.55041       1.13041       1.00000  0.97s
   5202       0.54767       0.60293       0.90834       0.96667  0.96s
   5203       0.54888       0.52121       1.05309       1.00000  0.95s
   5204       0.56318       0.52394       1.07490       1.00000  0.95s
   5205       0.56147       0.52696       1.06550       1.00000  0.96s
   5206       0.56757       0.66657       0.85148       0.96667  0.95s
   5207       0.55031       0.52437       1.04948       1.00000  0.96s
   5208       0.54295       0.54957       0.98795       0.96667  0.96s
   5209       0.55035       0.52748       1.04335       1.00000  0.95s
   5210       0.57228       0.53292       1.07387       1.00000  0.95s
   5211       0.57389       0.53880       1.06513       1.00000  0.95s
   5212       0.55941       0.51850       1.07889       1.00000  0.96s
   5213       0.59780       0.55320       1.08062       0.96667  0.96s
   5214       0.53480       0.51554       1.03735       1.00000  0.96s
   5215       0.60146       0.54431       1.10499       1.00000  0.97s
   5216       0.53095       0.54177       0.98002       1.00000  0.95s
   5217       0.62770       0.53429       1.17483       1.00000  0.96s
   5218       0.58486       0.51912       1.12662       1.00000  0.95s
   5219       0.54057       0.55102       0.98104       0.96667  0.95s
   5220       0.55687       0.51850       1.07402       1.00000  0.95s
   5221       0.54778       0.58425       0.93759       0.96667  0.96s
   5222       0.56640       0.51826       1.09288       1.00000  0.96s
   5223       0.53082       0.51141       1.03796       1.00000  0.96s
   5224       0.53041       0.56161       0.94444       0.96667  0.96s
   5225       0.54043       0.51319       1.05307       1.00000  0.96s
   5226       0.54430       0.54925       0.99099       0.96667  0.96s
   5227       0.60545       0.51304       1.18011       1.00000  0.95s
   5228       0.53685       0.55784       0.96237       0.96667  0.96s
   5229       0.54200       0.52164       1.03904       1.00000  0.95s
   5230       0.55673       0.52134       1.06787       1.00000  0.96s
   5231       0.57282       0.51658       1.10888       1.00000  0.96s
   5232       0.55724       0.52186       1.06781       1.00000  0.95s
   5233       0.52478       0.51246       1.02404       1.00000  0.96s
   5234       0.57452       0.59556       0.96468       0.96667  0.95s
   5235       0.53513       0.51984       1.02943       1.00000  0.95s
   5236       0.55578       0.51382       1.08165       1.00000  0.95s
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5237	0.54986	0.50813	1.08213	1.00000	0.95s
5238	0.54870	0.52184	1.05146	1.00000	0.95s
5239	0.60602	0.50735	1.19448	1.00000	0.95s
5240	0.55305	0.51390	1.07619	1.00000	0.96s
5241	0.54882	0.50846	1.07937	1.00000	0.96s
5242	0.52998	0.51126	1.03662	1.00000	0.95s
5243	0.53992	0.52171	1.03489	1.00000	0.95s
5244	0.54492	0.51714	1.05371	1.00000	0.97s
5245	0.53118	0.59942	0.88616	0.96667	0.95s
5246	0.55615	0.58103	0.95718	0.96667	0.96s
5247	0.53272	0.54270	0.98160	0.96667	0.95s
5248	0.58896	0.51421	1.14536	1.00000	0.95s
5249	0.58867	0.54301	1.08408	0.96667	0.95s
5250	0.52700	0.56161	0.93837	0.96667	0.96s
5251	0.53297	0.52600	1.01324	1.00000	0.96s
5252	0.60155	0.53364	1.12727	1.00000	0.96s
5253	0.56735	0.50705	1.11893	1.00000	0.96s
5254	0.53018	0.50491	1.05004	1.00000	0.95s
5255	0.53325	0.52516	1.01540	1.00000	0.96s
5256	0.54656	0.60510	0.90325	0.96667	0.96s
5257	0.52974	0.53176	0.99621	1.00000	0.95s
5258	0.55294	0.67950	0.81374	0.93333	0.96s
5259	0.53599	0.52158	1.02763	1.00000	0.96s
5260	0.58976	0.54738	1.07742	1.00000	0.95s
5261	0.56946	0.52905	1.07637	1.00000	0.97s
5262	0.54213	0.50838	1.06637	1.00000	0.95s
5263	0.52704	0.52211	1.00944	1.00000	0.97s
5264	0.56192	0.51604	1.08891	1.00000	0.96s
5265	0.52505	0.56628	0.92719	0.96667	0.95s
5266	0.52796	0.51588	1.02342	1.00000	0.95s
5267	0.57060	0.58545	0.97463	0.96667	0.96s
5268	0.52158	0.55283	0.94348	1.00000	0.95s
5269	0.52730	0.55107	0.95687	1.00000	0.95s
5270	0.53346	0.56365	0.94645	0.96667	0.96s
5271	0.52279	0.52031	1.00477	1.00000	0.95s
5272	0.51766	0.51066	1.01370	1.00000	0.95s
5273	0.53280	0.52335	1.01806	1.00000	0.96s
5274	0.52572	0.57552	0.91346	1.00000	0.96s
5275	0.52233	0.57921	0.90181	0.96667	0.96s
5276	0.55998	0.50730	1.10384	1.00000	0.96s
5277	0.54075	0.58556	0.92347	0.96667	0.97s
5278	0.53969	0.55026	0.98079	0.96667	0.95s
5279	0.55217	0.53913	1.02419	1.00000	0.94s
5280	0.56121	0.62306	0.90074	0.93333	0.97s
5281	0.54660	0.51263	1.06625	1.00000	0.96s
5282	0.55284	0.51695	1.06944	1.00000	0.95s
5283	0.52467	0.52071	1.00761	1.00000	0.96s
5284	0.53613	0.51593	1.03916	1.00000	0.96s
5285	0.56034	0.50623	1.10689	1.00000	0.97s
5286	0.52208	0.50137	1.04129	1.00000	0.96s
5287	0.52170	0.51142	1.02010	1.00000	0.95s
5288	0.52658	0.50895	1.03464	1.00000	0.95s
5289	0.52744	0.50268	1.04926	1.00000	0.95s
5290	0.53233	0.51806	1.02754	1.00000	0.96s

5291	0.55290	0.61973	0.89216	0.96667	0.95s
5292	0.51700	0.52053	0.99321	1.00000	0.95s
5293	0.53116	0.52491	1.01189	1.00000	0.96s
5294	0.53021	0.55423	0.95666	1.00000	0.96s
5295	0.60324	0.51322	1.17539	1.00000	0.96s
5296	0.52750	0.49934	1.05639	1.00000	0.95s
5297	0.57419	0.49946	1.14963	1.00000	0.96s
5298	0.56457	0.50002	1.12909	1.00000	0.96s
5299	0.55888	0.53076	1.05296	1.00000	0.95s
5300	0.52133	0.49932	1.04410	1.00000	0.95s
5301	0.54326	0.50336	1.07925	1.00000	0.96s
5302	0.53562	0.50003	1.07117	1.00000	0.95s
5303	0.52546	0.51143	1.02743	1.00000	0.96s
5304	0.57776	0.50213	1.15062	1.00000	0.96s
5305	0.53747	0.49714	1.08113	1.00000	0.96s
5306	0.54594	0.50823	1.07419	1.00000	0.95s
5307	0.51642	0.50085	1.03109	1.00000	0.96s
5308	0.53355	0.49615	1.07537	1.00000	0.96s
5309	0.51689	0.50161	1.03046	1.00000	0.95s
5310	0.53980	0.49715	1.08579	1.00000	0.96s
5311	0.52316	0.50130	1.04361	1.00000	0.97s
5312	0.51560	0.51908	0.99331	1.00000	0.95s
5313	0.53367	0.54040	0.98754	1.00000	0.95s
5314	0.55339	0.50436	1.09720	1.00000	0.96s
5315	0.52144	0.54123	0.96343	1.00000	0.97s
5316	0.54373	0.68676	0.79173	0.93333	0.96s
5317	0.51921	0.55332	0.93835	0.96667	0.96s
5318	0.66057	0.52397	1.26070	1.00000	0.95s
5319	0.51421	0.60937	0.84385	0.96667	0.96s
5320	0.52289	0.50779	1.02973	1.00000	0.96s
5321	0.58487	0.50247	1.16399	1.00000	0.96s
5322	0.51923	0.50720	1.02372	1.00000	0.96s
5323	0.52438	0.57287	0.91535	0.96667	0.96s
5324	0.54818	0.50365	1.08841	1.00000	0.96s
5325	0.51928	0.50094	1.03661	1.00000	0.96s
5326	0.53415	0.53389	1.00050	1.00000	1.04s
5327	0.53471	0.58000	0.92191	0.93333	1.02s
5328	0.50996	0.66048	0.77209	0.96667	1.02s
5329	0.52012	0.69694	0.74629	0.96667	0.96s
5330	0.57271	0.51959	1.10223	1.00000	0.95s
5331	0.61318	0.51774	1.18434	1.00000	0.99s
5332	0.53330	0.50445	1.05720	1.00000	0.99s
5333	0.53972	0.50155	1.07611	1.00000	0.99s
5334	0.54514	0.50859	1.07187	1.00000	1.00s
5335	0.50985	0.49132	1.03771	1.00000	0.99s
5336	0.52037	0.50029	1.04014	1.00000	1.00s
5337	0.52620	0.50128	1.04972	1.00000	1.01s
5338	0.54399	0.49501	1.09893	1.00000	0.98s
5339	0.53032	0.52253	1.01492	1.00000	1.01s
5340	0.51350	0.50278	1.02131	1.00000	0.96s
5341	0.50459	0.49787	1.01349	1.00000	0.98s
5342	0.51704	0.50219	1.02958	1.00000	0.96s
5343	0.55635	0.49980	1.11314	1.00000	0.96s
5344	0.54192	0.49531	1.09411	1.00000	1.01s

5345	0.51893	0.49566	1.04695	1.00000	0.98s
5346	0.51208	0.51132	1.00149	1.00000	0.95s
5347	0.52284	0.49623	1.05363	1.00000	0.95s
5348	0.52194	0.52686	0.99067	0.96667	0.96s
5349	0.54889	0.49844	1.10122	1.00000	0.96s
5350	0.52146	0.49406	1.05545	1.00000	0.96s
5351	0.56072	0.50309	1.11456	1.00000	0.97s
5352	0.51485	0.49725	1.03540	1.00000	0.95s
5353	0.53540	0.49400	1.08380	1.00000	0.97s
5354	0.53569	0.54689	0.97952	0.96667	0.95s
5355	0.52381	0.50012	1.04737	1.00000	0.96s
5356	0.50638	0.50822	0.99639	1.00000	1.02s
5357	0.50922	0.49997	1.01850	1.00000	1.05s
5358	0.53220	0.49661	1.07165	1.00000	1.01s
5359	0.51603	0.49466	1.04322	1.00000	0.96s
5360	0.52583	0.62190	0.84553	0.96667	0.99s
5361	0.51617	0.52966	0.97454	1.00000	0.98s
5362	0.56257	0.49223	1.14289	1.00000	0.98s
5363	0.53671	0.50231	1.06848	1.00000	0.97s
5364	0.51775	0.49270	1.05085	1.00000	0.98s
5365	0.52324	0.49846	1.04970	1.00000	0.98s
5366	0.50595	0.49347	1.02529	1.00000	0.96s
5367	0.53420	0.60669	0.88051	0.96667	1.00s
5368	0.59596	0.49187	1.21161	1.00000	0.97s
5369	0.54683	0.48822	1.12004	1.00000	0.98s
5370	0.54244	0.57134	0.94941	0.96667	0.96s
5371	0.52212	0.49461	1.05562	1.00000	0.96s
5372	0.52131	0.52500	0.99298	0.96667	0.97s
5373	0.51910	0.51088	1.01608	1.00000	0.99s
5374	0.55167	0.50214	1.09863	1.00000	1.01s
5375	0.54580	0.49644	1.09942	1.00000	0.96s
5376	0.52115	0.52580	0.99116	1.00000	0.95s
5377	0.51688	0.48495	1.06582	1.00000	0.95s
5378	0.51937	0.49930	1.04019	1.00000	0.97s
5379	0.52801	0.48654	1.08525	1.00000	0.97s
5380	0.50853	0.48569	1.04704	1.00000	0.96s
5381	0.51465	0.49263	1.04470	1.00000	0.97s
5382	0.55221	0.49182	1.12278	1.00000	0.96s
5383	0.51185	0.48945	1.04577	1.00000	0.95s
5384	0.53830	0.48661	1.10622	1.00000	0.96s
5385	0.53948	0.48707	1.10761	1.00000	0.96s
5386	0.51054	0.50899	1.00305	1.00000	0.96s
5387	0.53368	0.48705	1.09573	1.00000	0.95s
5388	0.50178	0.49005	1.02394	1.00000	0.95s
5389	0.51393	0.61335	0.83791	0.96667	0.95s
5390	0.52858	0.48544	1.08887	1.00000	0.96s
5391	0.53156	0.49664	1.07032	1.00000	0.97s
5392	0.58196	0.48511	1.19963	1.00000	0.97s
5393	0.53528	0.50085	1.06875	1.00000	0.95s
5394	0.51210	0.48496	1.05595	1.00000	0.96s
5395	0.52481	0.48601	1.07984	1.00000	0.96s
5396	0.52856	0.48508	1.08964	1.00000	0.96s
5397	0.51473	0.49707	1.03552	1.00000	0.95s
5398	0.50838	0.49504	1.02696	1.00000	0.96s

5399	0.51585	0.49003	1.05270	1.00000	0.96s
5400	0.50560	0.62315	0.81136	0.96667	0.96s
5401	0.59842	0.48233	1.24070	1.00000	0.97s
5402	0.51120	0.50042	1.02154	1.00000	0.96s
5403	0.54583	0.48491	1.12564	1.00000	0.95s
5404	0.52269	0.50448	1.03610	1.00000	0.95s
5405	0.53700	0.51004	1.05285	1.00000	0.95s
5406	0.53252	0.64377	0.82719	0.96667	0.96s
5407	0.52515	0.49446	1.06207	1.00000	0.96s
5408	0.50255	0.51877	0.96873	1.00000	0.96s
5409	0.49447	0.48636	1.01668	1.00000	0.96s
5410	0.50103	0.49352	1.01522	1.00000	0.96s
5411	0.53529	0.48921	1.09420	1.00000	0.96s
5412	0.49909	0.48152	1.03650	1.00000	0.95s
5413	0.49532	0.48790	1.01521	1.00000	0.95s
5414	0.49796	0.49263	1.01082	1.00000	0.96s
5415	0.50648	0.48683	1.04037	1.00000	0.95s
5416	0.51901	0.48169	1.07748	1.00000	0.95s
5417	0.49672	0.48081	1.03309	1.00000	0.95s
5418	0.53081	0.48409	1.09652	1.00000	0.96s
5419	0.50485	0.48328	1.04462	1.00000	0.96s
5420	0.51829	0.48855	1.06087	1.00000	0.95s
5421	0.59963	0.49937	1.20077	1.00000	0.97s
5422	0.49895	0.47853	1.04268	1.00000	0.96s
5423	0.53813	0.51925	1.03636	1.00000	0.95s
5424	0.61141	0.50923	1.20067	1.00000	0.96s
5425	0.51491	0.49223	1.04606	1.00000	0.95s
5426	0.49539	0.48346	1.02468	1.00000	0.95s
5427	0.52799	0.55669	0.94844	0.96667	0.95s
5428	0.50321	0.48569	1.03608	1.00000	0.96s
5429	0.54174	0.50241	1.07829	1.00000	0.95s
5430	0.55629	0.54591	1.01900	0.96667	0.96s
5431	0.50520	0.48271	1.04659	1.00000	0.95s
5432	0.55800	0.49820	1.12005	1.00000	0.95s
5433	0.55538	0.47830	1.16115	1.00000	0.96s
5434	0.51507	0.51559	0.99899	1.00000	0.95s
5435	0.50665	0.48348	1.04792	1.00000	0.95s
5436	0.54449	0.48300	1.12731	1.00000	0.96s
5437	0.50547	0.48465	1.04296	1.00000	0.96s
5438	0.49160	0.50166	0.97995	1.00000	0.96s
5439	0.50681	0.50310	1.00738	1.00000	0.95s
5440	0.54748	0.59318	0.92295	0.96667	0.96s
5441	0.50037	0.48229	1.03749	1.00000	0.96s
5442	0.49635	0.53799	0.92260	0.96667	0.97s
5443	0.49536	0.48218	1.02735	1.00000	0.96s
5444	0.54088	0.50880	1.06304	1.00000	0.97s
5445	0.50839	0.53914	0.94296	0.96667	0.95s
5446	0.50452	0.59465	0.84844	0.93333	0.96s
5447	0.53302	0.47745	1.11639	1.00000	0.96s
5448	0.57772	0.48252	1.19730	1.00000	0.95s
5449	0.51035	0.47616	1.07181	1.00000	0.96s
5450	0.51011	0.47422	1.07567	1.00000	0.97s
5451	0.50103	0.47524	1.05425	1.00000	0.96s
5452	0.51896	0.49033	1.05838	1.00000	0.97s

5453	0.52899	0.52200	1.01340	0.96667	0.95s
5454	0.52322	0.50170	1.04289	1.00000	0.96s
5455	0.52818	0.48308	1.09334	1.00000	0.96s
5456	0.50100	0.48924	1.02403	1.00000	0.96s
5457	0.51967	0.49037	1.05976	1.00000	0.96s
5458	0.50140	0.51092	0.98138	1.00000	0.95s
5459	0.51999	0.48674	1.06832	1.00000	0.96s
5460	0.49917	0.49603	1.00633	1.00000	0.96s
5461	0.48823	0.48391	1.00893	1.00000	0.97s
5462	0.50085	0.48919	1.02383	1.00000	0.96s
5463	0.50835	0.51732	0.98266	1.00000	0.97s
5464	0.52629	0.48736	1.07987	1.00000	0.95s
5465	0.51324	0.49586	1.03506	1.00000	0.95s
5466	0.53217	0.48948	1.08721	1.00000	0.96s
5467	0.51297	0.47147	1.08802	1.00000	0.97s
5468	0.52286	0.53681	0.97401	1.00000	0.96s
5469	0.51038	0.48603	1.05010	1.00000	0.96s
5470	0.48856	0.50277	0.97172	1.00000	0.95s
5471	0.51044	0.49758	1.02585	1.00000	0.95s
5472	0.48577	0.49483	0.98170	1.00000	0.96s
5473	0.52683	0.47353	1.11255	1.00000	0.97s
5474	0.50446	0.47832	1.05464	1.00000	0.96s
5475	0.50513	0.48993	1.03101	1.00000	0.96s
5476	0.51793	0.48647	1.06467	1.00000	0.96s
5477	0.52124	0.48521	1.07426	1.00000	0.96s
5478	0.49137	0.47887	1.02611	1.00000	0.96s
5479	0.51518	0.50391	1.02237	1.00000	0.95s
5480	0.49969	0.58323	0.85676	0.96667	0.96s
5481	0.52006	0.50024	1.03962	1.00000	0.95s
5482	0.57328	0.52200	1.09825	1.00000	0.96s
5483	0.48756	0.51357	0.94936	1.00000	0.97s
5484	0.48899	0.48608	1.00600	1.00000	0.96s
5485	0.60596	0.57893	1.04668	0.96667	0.95s
5486	0.49141	0.49575	0.99124	1.00000	0.96s
5487	0.49976	0.49286	1.01399	1.00000	0.96s
5488	0.50762	0.48358	1.04971	1.00000	0.95s
5489	0.51524	0.49085	1.04970	1.00000	0.96s
5490	0.50221	0.53430	0.93992	0.96667	0.95s
5491	0.51686	0.55370	0.93347	0.96667	0.95s
5492	0.55484	0.51959	1.06785	0.96667	0.96s
5493	0.53726	0.50026	1.07396	1.00000	0.96s
5494	0.53948	0.54159	0.99611	0.96667	0.95s
5495	0.48931	0.48128	1.01668	1.00000	0.96s
5496	0.49910	0.49877	1.00066	1.00000	0.96s
5497	0.48179	0.55066	0.87493	0.96667	0.95s
5498	0.54194	0.48095	1.12681	1.00000	0.96s
5499	0.48300	0.47646	1.01373	1.00000	0.96s
5500	0.52362	0.47818	1.09502	1.00000	0.95s
5501	0.55582	0.49182	1.13013	1.00000	0.95s
5502	0.58188	0.49156	1.18373	1.00000	0.97s
5503	0.52309	0.47189	1.10850	1.00000	0.95s
5504	0.54199	0.47391	1.14367	1.00000	0.96s
5505	0.54346	0.46937	1.15786	1.00000	0.96s
5506	0.50205	0.47865	1.04890	1.00000	0.96s

5507	0.49391	0.51453	0.95992	1.00000	0.96s
5508	0.52943	0.51564	1.02675	0.96667	0.96s
5509	0.55681	0.50069	1.11208	1.00000	0.97s
5510	0.51198	0.50716	1.00951	0.96667	0.96s
5511	0.49319	0.50046	0.98547	0.96667	0.96s
5512	0.49484	0.63111	0.78407	0.96667	0.97s
5513	0.51195	0.47819	1.07061	1.00000	0.95s
5514	0.50259	0.47174	1.06540	1.00000	0.95s
5515	0.54057	0.47065	1.14857	1.00000	0.96s
5516	0.49872	0.49024	1.01730	1.00000	0.96s
5517	0.57655	0.48044	1.20003	1.00000	0.97s
5518	0.49339	0.49672	0.99330	1.00000	0.97s
5519	0.50436	0.47056	1.07183	1.00000	0.95s
5520	0.48753	0.55133	0.88428	0.96667	0.96s
5521	0.53118	0.53574	0.99149	0.96667	0.96s
5522	0.48751	0.47706	1.02192	1.00000	0.95s
5523	0.47581	0.48126	0.98868	1.00000	0.96s
5524	0.53107	0.48309	1.09931	1.00000	0.96s
5525	0.50849	0.47566	1.06901	1.00000	0.97s
5526	0.49755	0.47585	1.04562	1.00000	0.97s
5527	0.55247	0.47125	1.17235	1.00000	0.97s
5528	0.50331	0.47352	1.06291	1.00000	0.96s
5529	0.50994	0.47542	1.07262	1.00000	0.96s
5530	0.49628	0.50634	0.98013	0.96667	0.96s
5531	0.51313	0.47483	1.08066	1.00000	0.95s
5532	0.51411	0.51451	0.99923	0.96667	0.95s
5533	0.51940	0.47405	1.09567	1.00000	0.96s
5534	0.50447	0.49098	1.02748	1.00000	0.97s
5535	0.53350	0.68494	0.77889	0.93333	0.96s
5536	0.51073	0.53869	0.94810	0.96667	0.96s
5537	0.54737	0.47730	1.14681	1.00000	0.97s
5538	0.50723	0.46527	1.09019	1.00000	0.97s
5539	0.51551	0.46400	1.11100	1.00000	0.95s
5540	0.48492	0.47313	1.02492	1.00000	0.96s
5541	0.54507	0.46186	1.18015	1.00000	0.96s
5542	0.49109	0.59669	0.82304	0.96667	0.95s
5543	0.49995	0.50628	0.98751	1.00000	0.97s
5544	0.47797	0.47065	1.01556	1.00000	0.95s
5545	0.47691	0.46833	1.01833	1.00000	0.97s
5546	0.50501	0.49499	1.02024	0.96667	0.95s
5547	0.47676	0.56455	0.84450	0.96667	0.96s
5548	0.48954	0.47579	1.02889	1.00000	0.97s
5549	0.51190	0.46369	1.10397	1.00000	0.96s
5550	0.54413	0.47610	1.14291	1.00000	0.95s
5551	0.60940	0.46185	1.31947	1.00000	0.96s
5552	0.59617	0.47730	1.24906	1.00000	0.96s
5553	0.48829	0.47317	1.03194	1.00000	0.96s
5554	0.57597	0.49546	1.16249	1.00000	0.96s
5555	0.49839	0.46036	1.08261	1.00000	0.96s
5556	0.50503	0.46601	1.08372	1.00000	0.96s
5557	0.48870	0.46728	1.04583	1.00000	0.96s
5558	0.53629	0.47434	1.13060	1.00000	0.95s
5559	0.49338	0.48674	1.01365	0.96667	0.96s
5560	0.48248	0.62819	0.76805	0.93333	0.96s

5561	0.50620	0.54967	0.92092	0.96667	0.95s
5562	0.48926	0.51246	0.95472	1.00000	0.96s
5563	0.49550	0.45761	1.08280	1.00000	0.96s
5564	0.51640	0.47131	1.09568	1.00000	0.95s
5565	0.48408	0.46487	1.04133	1.00000	0.96s
5566	0.50452	0.56435	0.89399	0.96667	0.96s
5567	0.55696	0.50134	1.11094	1.00000	0.96s
5568	0.50664	0.51198	0.98956	0.96667	0.97s
5569	0.48342	0.51763	0.93390	1.00000	0.96s
5570	0.50908	0.52574	0.96832	0.96667	0.97s
5571	0.51686	0.48531	1.06501	1.00000	0.95s
5572	0.53749	0.47595	1.12930	1.00000	0.95s
5573	0.62107	0.46295	1.34156	1.00000	0.95s
5574	0.52945	0.47638	1.11141	1.00000	0.96s
5575	0.50942	0.64369	0.79140	0.96667	0.95s
5576	0.48106	0.46283	1.03939	1.00000	0.95s
5577	0.53031	0.73649	0.72005	0.93333	0.95s
5578	0.59520	0.48479	1.22773	1.00000	0.95s
5579	0.49462	0.49140	1.00655	1.00000	0.96s
5580	0.51095	0.47609	1.07323	1.00000	0.96s
5581	0.48718	0.47156	1.03312	1.00000	0.96s
5582	0.49365	0.46506	1.06149	1.00000	0.96s
5583	0.51389	0.48019	1.07019	1.00000	0.96s
5584	0.50718	0.55508	0.91371	0.96667	0.96s
5585	0.53002	0.46475	1.14044	1.00000	0.96s
5586	0.49350	0.46015	1.07247	1.00000	0.96s
5587	0.54517	0.48353	1.12749	1.00000	0.95s
5588	0.49086	0.46646	1.05232	1.00000	0.96s
5589	0.48309	0.46318	1.04299	1.00000	0.96s
5590	0.47554	0.46446	1.02386	1.00000	0.96s
5591	0.51613	0.45854	1.12561	1.00000	0.97s
5592	0.47300	0.50624	0.93435	0.96667	0.96s
5593	0.48374	0.47305	1.02259	1.00000	0.96s
5594	0.49059	0.47720	1.02806	1.00000	0.97s
5595	0.52069	0.47179	1.10364	1.00000	0.96s
5596	0.50108	0.48152	1.04060	1.00000	0.96s
5597	0.47439	0.48286	0.98246	1.00000	0.97s
5598	0.47265	0.48322	0.97813	1.00000	0.96s
5599	0.53200	0.60281	0.88253	0.93333	0.96s
5600	0.47966	0.50566	0.94859	1.00000	0.96s
5601	0.53592	0.52759	1.01578	1.00000	0.96s
5602	0.48459	0.47972	1.01016	1.00000	0.96s
5603	0.50725	0.45490	1.11507	1.00000	0.96s
5604	0.49122	0.47898	1.02555	1.00000	0.97s
5605	0.54342	0.46373	1.17185	1.00000	0.96s
5606	0.48852	0.46213	1.05711	1.00000	0.96s
5607	0.53200	0.48223	1.10321	1.00000	0.95s
5608	0.49528	0.46076	1.07491	1.00000	0.96s
5609	0.49784	0.49268	1.01047	1.00000	0.95s
5610	0.49527	0.46850	1.05714	1.00000	0.97s
5611	0.54728	0.46559	1.17545	1.00000	0.96s
5612	0.47974	0.47038	1.01991	1.00000	0.96s
5613	0.47887	0.46797	1.02330	1.00000	0.96s
5614	0.53262	0.46496	1.14553	1.00000	0.96s

5615	0.50358	0.46536	1.08214	1.00000	0.96s
5616	0.49117	0.56732	0.86577	0.96667	0.96s
5617	0.56144	0.45671	1.22931	1.00000	0.97s
5618	0.50428	0.49613	1.01642	1.00000	0.95s
5619	0.47589	0.46337	1.02703	1.00000	0.96s
5620	0.48242	0.46573	1.03583	1.00000	0.95s
5621	0.48126	0.48650	0.98924	1.00000	0.95s
5622	0.55044	0.46733	1.17784	1.00000	0.97s
5623	0.49652	0.49889	0.99524	0.96667	0.97s
5624	0.50969	0.45964	1.10888	1.00000	0.96s
5625	0.55008	0.46076	1.19385	1.00000	0.96s
5626	0.48948	0.49467	0.98952	0.96667	0.96s
5627	0.49345	0.45139	1.09317	1.00000	0.98s
5628	0.47418	0.45330	1.04605	1.00000	0.96s
5629	0.49539	0.49355	1.00372	1.00000	0.96s
5630	0.48969	0.45200	1.08338	1.00000	0.96s
5631	0.51678	0.46338	1.11523	1.00000	0.96s
5632	0.47914	0.48451	0.98893	1.00000	0.96s
5633	0.50744	0.45552	1.11399	1.00000	0.95s
5634	0.54480	0.46690	1.16683	1.00000	0.96s
5635	0.51027	0.46195	1.10460	1.00000	0.97s
5636	0.52087	0.49909	1.04364	1.00000	0.98s
5637	0.48040	0.47666	1.00786	1.00000	0.95s
5638	0.50770	0.57009	0.89056	0.93333	0.96s
5639	0.50923	0.46579	1.09327	1.00000	0.96s
5640	0.49463	0.49594	0.99738	1.00000	0.96s
5641	0.49971	0.47880	1.04368	1.00000	0.95s
5642	0.53568	0.46565	1.15040	1.00000	0.96s
5643	0.48221	0.45120	1.06873	1.00000	0.96s
5644	0.47278	0.46096	1.02565	1.00000	0.97s
5645	0.47316	0.45083	1.04952	1.00000	0.96s
5646	0.47563	0.54452	0.87349	0.93333	0.97s
5647	0.46635	0.51252	0.90992	0.96667	0.96s
5648	0.53466	0.45110	1.18525	1.00000	0.95s
5649	0.47797	0.47324	1.00998	1.00000	0.96s
5650	0.49990	0.45355	1.10221	1.00000	0.96s
5651	0.51590	0.46364	1.11271	1.00000	0.96s
5652	0.46672	0.49311	0.94649	0.96667	0.96s
5653	0.51601	0.47085	1.09590	1.00000	0.96s
5654	0.48312	0.49890	0.96837	0.96667	0.96s
5655	0.49443	0.47149	1.04866	1.00000	0.96s
5656	0.50377	0.49656	1.01450	0.96667	0.96s
5657	0.49738	0.46723	1.06452	1.00000	0.95s
5658	0.62474	0.45939	1.35995	1.00000	0.96s
5659	0.50874	0.49160	1.03485	1.00000	0.96s
5660	0.48900	0.46875	1.04320	1.00000	0.96s
5661	0.49417	0.52795	0.93601	0.96667	0.96s
5662	0.47978	0.46418	1.03362	1.00000	0.96s
5663	0.49921	0.45036	1.10849	1.00000	0.95s
5664	0.47531	0.47761	0.99519	1.00000	0.95s
5665	0.46622	0.55040	0.84706	0.96667	0.96s
5666	0.55695	0.46448	1.19907	1.00000	0.96s
5667	0.48606	0.46062	1.05523	1.00000	0.97s
5668	0.51412	0.47584	1.08046	1.00000	0.96s

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   5669       0.47907       0.45679       1.04877       1.00000  0.96s
   5670       0.46487       0.46585       0.99789       1.00000  0.95s
   5671       0.47371       0.49779       0.95162       1.00000  0.96s
   5672       0.49295       0.45307       1.08800       1.00000  0.95s
   5673       0.46089       0.46073       1.00037       1.00000  0.95s
   5674       0.50073       0.51606       0.97031       1.00000  0.97s
   5675       0.47730       0.49158       0.97097       1.00000  0.96s
   5676       0.53966       0.48237       1.11877       1.00000  0.97s
   5677       0.51072       0.45546       1.12132       1.00000  0.96s
   5678       0.47484       0.55678       0.85284       0.96667  0.96s
   5679       0.53277       0.46440       1.14723       1.00000  0.96s
   5680       0.51461       0.46836       1.09876       1.00000  0.96s
   5681       0.52786       0.45832       1.15172       1.00000  0.96s
   5682       0.51960       0.46203       1.12461       1.00000  0.96s
   5683       0.48624       0.45042       1.07951       1.00000  0.96s
   5684       0.50025       0.46888       1.06691       1.00000  0.97s
   5685       0.49236       0.45974       1.07094       1.00000  0.96s
   5686       0.51245       0.44942       1.14025       1.00000  0.96s
   5687       0.47582       0.49613       0.95906       0.96667  0.96s
   5688       0.49620       0.45419       1.09248       1.00000  0.96s
   5689       0.47640       0.45311       1.05140       1.00000  0.97s
   5690       0.46928       0.45206       1.03807       1.00000  0.95s
   5691       0.46576       0.45088       1.03301       1.00000  0.96s
   5692       0.45867       0.44653       1.02719       1.00000  0.96s
   5693       0.47384       0.45077       1.05116       1.00000  0.96s
   5694       0.47480       0.45051       1.05391       1.00000  0.96s
   5695       0.47229       0.44356       1.06477       1.00000  0.96s
   5696       0.46822       0.44605       1.04970       1.00000  0.95s
   5697       0.50240       0.46316       1.08471       1.00000  0.95s
   5698       0.50231       0.44923       1.11815       1.00000  0.96s
   5699       0.49141       0.47751       1.02911       1.00000  0.97s
   5700       0.47789       0.45560       1.04892       1.00000  0.97s
Regularization term: 0.438323587179
2016-07-26 23:10:28,895 - root - INFO - Duration of saving to disk: 0:00:17
2016-07-26 23:10:38,986 - root - INFO - Duration of validation: 0:00:10
   5701       0.57889       0.46198       1.25305       1.00000  0.98s
   5702       0.52114       0.44954       1.15927       1.00000  0.96s
   5703       0.47042       0.62944       0.74735       0.96667  0.96s
   5704       0.49024       0.44949       1.09068       1.00000  0.96s
   5705       0.53670       0.46569       1.15248       1.00000  0.97s
   5706       0.48508       0.46284       1.04805       1.00000  0.96s
   5707       0.45640       0.44789       1.01900       1.00000  0.97s
   5708       0.49269       0.73452       0.67076       0.96667  0.96s
   5709       0.46461       0.46112       1.00757       1.00000  0.96s
   5710       0.57288       0.47562       1.20449       1.00000  0.97s
   5711       0.47820       0.45440       1.05239       1.00000  0.96s
   5712       0.51769       0.44692       1.15836       1.00000  0.97s
   5713       0.52048       0.44612       1.16668       1.00000  0.96s
   5714       0.49129       0.45534       1.07897       1.00000  0.95s
   5715       0.50783       0.46260       1.09778       1.00000  0.96s
   5716       0.48865       0.55891       0.87428       0.93333  0.96s
   5717       0.49149       0.53162       0.92452       0.93333  0.97s
   5718       0.47723       0.45931       1.03902       1.00000  0.96s
   5719       0.46341       0.44707       1.03655       1.00000  0.96s
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5720	0.46969	0.50947	0.92190	0.96667	0.95s
5721	0.46618	0.44703	1.04284	1.00000	0.97s
5722	0.46834	0.49278	0.95040	0.96667	0.96s
5723	0.47234	0.47199	1.00075	1.00000	0.96s
5724	0.51120	0.44864	1.13946	1.00000	0.95s
5725	0.48035	0.45607	1.05325	1.00000	0.95s
5726	0.51735	0.48059	1.07649	0.96667	0.96s
5727	0.46828	0.47197	0.99218	1.00000	0.96s
5728	0.46546	0.51585	0.90231	0.96667	0.96s
5729	0.46673	0.45239	1.03170	1.00000	0.97s
5730	0.50572	0.46468	1.08832	1.00000	0.95s
5731	0.52869	0.45778	1.15490	1.00000	0.96s
5732	0.48599	0.44756	1.08587	1.00000	0.96s
5733	0.49052	0.44738	1.09642	1.00000	0.96s
5734	0.47162	0.45145	1.04469	1.00000	0.96s
5735	0.51542	0.45338	1.13684	1.00000	0.97s
5736	0.49376	0.45272	1.09065	1.00000	0.95s
5737	0.54746	0.49571	1.10440	0.96667	0.96s
5738	0.53364	0.44212	1.20700	1.00000	0.96s
5739	0.46283	0.50158	0.92275	0.96667	0.96s
5740	0.50676	0.44279	1.14449	1.00000	0.95s
5741	0.53862	0.46317	1.16289	1.00000	0.97s
5742	0.54580	0.52746	1.03479	0.96667	0.96s
5743	0.45834	0.44051	1.04047	1.00000	0.96s
5744	0.46843	0.44283	1.05780	1.00000	0.96s
5745	0.49391	0.45816	1.07805	1.00000	0.96s
5746	0.45454	0.44310	1.02582	1.00000	0.96s
5747	0.48728	0.54482	0.89438	0.96667	0.96s
5748	0.47721	0.59200	0.80610	0.93333	0.96s
5749	0.51630	0.53006	0.97403	0.96667	0.96s
5750	0.47310	0.46962	1.00741	1.00000	0.97s
5751	0.48200	0.45314	1.06369	1.00000	0.96s
5752	0.51591	0.47235	1.09223	1.00000	0.96s
5753	0.46779	0.48050	0.97356	1.00000	0.96s
5754	0.51516	0.43986	1.17118	1.00000	0.96s
5755	0.47079	0.48767	0.96539	1.00000	0.95s
5756	0.49236	0.45230	1.08857	1.00000	0.95s
5757	0.55581	0.46578	1.19329	1.00000	0.96s
5758	0.47007	0.44503	1.05626	1.00000	0.97s
5759	0.46622	0.46505	1.00253	1.00000	0.96s
5760	0.51323	0.44167	1.16202	1.00000	0.95s
5761	0.51395	0.47204	1.08878	1.00000	0.95s
5762	0.52999	0.44539	1.18995	1.00000	0.96s
5763	0.45654	0.64653	0.70613	0.96667	0.96s
5764	0.46620	0.51058	0.91308	0.96667	0.95s
5765	0.46760	0.54563	0.85699	0.93333	0.95s
5766	0.49949	0.44351	1.12623	1.00000	0.96s
5767	0.48400	0.46966	1.03054	1.00000	0.96s
5768	0.52804	0.58538	0.90204	0.96667	0.96s
5769	0.48187	0.46378	1.03900	1.00000	0.95s
5770	0.49906	0.48369	1.03178	1.00000	0.96s
5771	0.51838	0.52355	0.99012	0.96667	0.96s
5772	0.47406	0.46439	1.02081	1.00000	0.96s
5773	0.49194	0.47675	1.03187	1.00000	0.96s

5774	0.48400	0.60860	0.79527	0.96667	0.95s
5775	0.46684	0.44601	1.04670	1.00000	0.96s
5776	0.47823	0.46274	1.03347	1.00000	0.95s
5777	0.47968	0.44276	1.08338	1.00000	0.95s
5778	0.53806	0.54704	0.98357	0.96667	0.96s
5779	0.53267	0.44599	1.19434	1.00000	0.95s
5780	0.45058	0.66110	0.68156	0.96667	0.96s
5781	0.45620	0.46438	0.98238	1.00000	0.95s
5782	0.49665	0.64843	0.76593	0.93333	0.95s
5783	0.58865	0.47001	1.25242	1.00000	0.95s
5784	0.47606	0.44961	1.05881	1.00000	0.96s
5785	0.47994	0.43772	1.09645	1.00000	0.96s
5786	0.45326	0.45246	1.00178	1.00000	0.95s
5787	0.45558	0.44719	1.01876	1.00000	0.96s
5788	0.54881	0.44422	1.23544	1.00000	0.95s
5789	0.48843	0.43919	1.11212	1.00000	0.96s
5790	0.48218	0.44826	1.07566	1.00000	0.97s
5791	0.45335	0.45147	1.00416	1.00000	0.95s
5792	0.46469	0.44691	1.03979	1.00000	0.97s
5793	0.50348	0.43898	1.14692	1.00000	0.97s
5794	0.45851	0.48060	0.95402	1.00000	0.96s
5795	0.49880	0.45231	1.10278	1.00000	0.96s
5796	0.46038	0.44077	1.04449	1.00000	0.96s
5797	0.52576	0.45418	1.15759	1.00000	0.96s
5798	0.48555	0.45871	1.05851	1.00000	0.95s
5799	0.45609	0.45917	0.99329	1.00000	0.96s
5800	0.50267	0.47850	1.05050	1.00000	0.95s
5801	0.48681	0.44355	1.09753	1.00000	0.97s
5802	0.45595	0.44365	1.02772	1.00000	0.96s
5803	0.46632	0.44313	1.05234	1.00000	0.96s
5804	0.50592	0.44584	1.13477	1.00000	0.96s
5805	0.44902	0.44261	1.01449	1.00000	0.95s
5806	0.51680	0.45074	1.14657	1.00000	0.96s
5807	0.45516	0.44904	1.01364	1.00000	0.95s
5808	0.46345	0.59614	0.77742	0.96667	0.95s
5809	0.48976	0.45916	1.06665	1.00000	0.96s
5810	0.46795	0.48951	0.95596	1.00000	0.96s
5811	0.45887	0.48048	0.95503	1.00000	0.96s
5812	0.45074	0.45797	0.98421	1.00000	0.96s
5813	0.46315	0.46304	1.00025	1.00000	0.96s
5814	0.50705	0.48749	1.04013	1.00000	0.95s
5815	0.48241	0.55258	0.87303	0.96667	0.96s
5816	0.57176	0.46060	1.24132	1.00000	0.95s
5817	0.49027	0.44222	1.10866	1.00000	0.96s
5818	0.48148	0.50086	0.96131	0.96667	0.97s
5819	0.49641	0.44016	1.12781	1.00000	0.95s
5820	0.49053	0.45782	1.07145	1.00000	0.95s
5821	0.45466	0.46639	0.97484	1.00000	0.95s
5822	0.48752	0.58770	0.82954	0.96667	0.95s
5823	0.48025	0.52707	0.91118	0.96667	0.96s
5824	0.49013	0.47480	1.03229	1.00000	0.96s
5825	0.48547	0.45625	1.06405	1.00000	0.95s
5826	0.48016	0.45260	1.06090	1.00000	0.95s
5827	0.51898	0.46581	1.11415	1.00000	1.00s

5828	0.46467	0.44216	1.05092	1.00000	0.95s
5829	0.48850	0.44122	1.10718	1.00000	0.96s
5830	0.51098	0.44749	1.14188	1.00000	0.96s
5831	0.48646	0.44997	1.08109	1.00000	0.97s
5832	0.48658	0.44779	1.08661	1.00000	0.96s
5833	0.47869	0.46616	1.02688	1.00000	0.95s
5834	0.47344	0.45793	1.03388	1.00000	0.96s
5835	0.44796	0.44852	0.99876	1.00000	0.95s
5836	0.46194	0.48945	0.94381	0.96667	0.96s
5837	0.46784	0.44117	1.06047	1.00000	0.95s
5838	0.46973	0.44185	1.06310	1.00000	0.96s
5839	0.48191	0.45922	1.04940	1.00000	0.96s
5840	0.47365	0.44125	1.07343	1.00000	0.95s
5841	0.47732	0.43397	1.09988	1.00000	0.96s
5842	0.46185	0.44791	1.03114	1.00000	0.95s
5843	0.45003	0.46429	0.96927	1.00000	0.96s
5844	0.47450	0.45616	1.04021	1.00000	0.96s
5845	0.53218	0.45373	1.17289	1.00000	0.95s
5846	0.49353	0.44396	1.11166	1.00000	0.96s
5847	0.47884	0.46629	1.02691	1.00000	0.95s
5848	0.48399	0.44540	1.08665	1.00000	0.95s
5849	0.51110	0.44139	1.15793	1.00000	0.95s
5850	0.45078	0.45298	0.99514	1.00000	0.96s
5851	0.53637	0.48485	1.10624	0.96667	0.95s
5852	0.55086	0.50199	1.09735	0.96667	0.96s
5853	0.48829	0.44971	1.08579	1.00000	0.96s
5854	0.50959	0.47312	1.07710	0.96667	0.96s
5855	0.47246	0.54734	0.86320	0.93333	0.96s
5856	0.46082	0.47039	0.97965	0.96667	0.97s
5857	0.44485	0.47580	0.93496	1.00000	0.96s
5858	0.46204	0.44361	1.04155	1.00000	0.96s
5859	0.47827	0.43805	1.09183	1.00000	0.97s
5860	0.45116	0.44062	1.02394	1.00000	0.95s
5861	0.45116	0.51238	0.88052	0.96667	0.95s
5862	0.47003	0.57778	0.81352	0.96667	0.96s
5863	0.45813	0.43525	1.05257	1.00000	0.96s
5864	0.48150	0.43226	1.11393	1.00000	0.96s
5865	0.46940	0.44428	1.05654	1.00000	0.96s
5866	0.52207	0.44314	1.17812	1.00000	0.95s
5867	0.49338	0.43618	1.13113	1.00000	0.96s
5868	0.48501	0.43625	1.11179	1.00000	0.96s
5869	0.46176	0.43939	1.05091	1.00000	0.95s
5870	0.47692	0.55195	0.86407	0.96667	0.94s
5871	0.45600	0.45731	0.99714	1.00000	0.96s
5872	0.48891	0.49307	0.99155	0.96667	0.96s
5873	0.46568	0.43521	1.07002	1.00000	0.96s
5874	0.53965	0.44847	1.20330	1.00000	0.96s
5875	0.45763	0.43966	1.04087	1.00000	0.96s
5876	0.46823	0.43801	1.06901	1.00000	0.96s
5877	0.44999	0.44745	1.00566	1.00000	0.96s
5878	0.45166	0.44597	1.01277	1.00000	0.95s
5879	0.45410	0.49551	0.91644	0.96667	0.95s
5880	0.49918	0.44897	1.11181	1.00000	0.96s
5881	0.47144	0.45083	1.04573	1.00000	0.96s

5882	0.47401	0.43417	1.09175	1.00000	0.96s
5883	0.49751	0.44311	1.12277	1.00000	0.96s
5884	0.46335	0.48993	0.94574	1.00000	0.96s
5885	0.47571	0.55954	0.85019	0.93333	0.95s
5886	0.46562	0.49455	0.94152	0.96667	0.95s
5887	0.46171	0.43431	1.06310	1.00000	0.97s
5888	0.45486	0.62675	0.72574	0.90000	0.97s
5889	0.47880	0.44754	1.06984	1.00000	0.96s
5890	0.45665	0.47831	0.95472	1.00000	0.96s
5891	0.55653	0.51669	1.07709	0.96667	0.95s
5892	0.49919	0.44887	1.11210	1.00000	0.96s
5893	0.45971	0.44696	1.02852	1.00000	0.95s
5894	0.47685	0.43598	1.09374	1.00000	0.96s
5895	0.55282	0.43898	1.25932	1.00000	0.97s
5896	0.48708	0.48011	1.01451	0.96667	0.96s
5897	0.46094	0.43550	1.05841	1.00000	0.95s
5898	0.45386	0.47146	0.96268	1.00000	0.96s
5899	0.47498	0.50268	0.94490	0.96667	0.96s
5900	0.44520	0.46142	0.96484	1.00000	0.96s
5901	0.46925	0.44280	1.05972	1.00000	0.96s
5902	0.53086	0.45524	1.16611	1.00000	0.96s
5903	0.52474	0.46165	1.13666	1.00000	0.95s
5904	0.50082	0.43166	1.16023	1.00000	0.96s
5905	0.50616	0.44559	1.13593	1.00000	0.96s
5906	0.50041	0.43400	1.15300	1.00000	0.96s
5907	0.52457	0.43409	1.20845	1.00000	0.95s
5908	0.49596	0.52200	0.95011	0.96667	0.95s
5909	0.46662	0.55447	0.84156	0.96667	0.96s
5910	0.50499	0.44237	1.14155	1.00000	0.95s
5911	0.52240	0.43792	1.19292	1.00000	0.95s
5912	0.49292	0.43014	1.14597	1.00000	0.95s
5913	0.44120	0.43397	1.01667	1.00000	0.96s
5914	0.47951	0.46743	1.02584	0.96667	0.97s
5915	0.45007	0.69154	0.65083	0.96667	0.96s
5916	0.45618	0.44108	1.03424	1.00000	0.96s
5917	0.49717	0.44160	1.12586	1.00000	0.96s
5918	0.44355	0.57574	0.77040	0.96667	0.96s
5919	0.45374	0.46477	0.97627	1.00000	0.96s
5920	0.46240	0.43295	1.06800	1.00000	0.96s
5921	0.46988	0.43131	1.08943	1.00000	0.96s
5922	0.52969	0.43815	1.20891	1.00000	0.96s
5923	0.51945	0.43708	1.18846	1.00000	0.96s
5924	0.50972	0.44751	1.13900	1.00000	0.96s
5925	0.47911	0.43658	1.09740	1.00000	0.95s
5926	0.47754	0.45429	1.05117	1.00000	0.96s
5927	0.47442	0.44914	1.05629	1.00000	0.95s
5928	0.44841	0.45030	0.99580	1.00000	0.96s
5929	0.48924	0.44984	1.08757	1.00000	0.95s
5930	0.48682	0.45815	1.06259	1.00000	0.95s
5931	0.49300	0.46578	1.05846	1.00000	0.95s
5932	0.45610	0.44014	1.03627	1.00000	0.97s
5933	0.46640	0.44992	1.03663	1.00000	0.96s
5934	0.51678	0.43623	1.18465	1.00000	0.95s
5935	0.46022	0.45280	1.01638	1.00000	0.95s

5936	0.48150	0.43143	1.11605	1.00000	0.96s
5937	0.50095	0.48662	1.02943	0.96667	0.95s
5938	0.47713	0.43149	1.10577	1.00000	0.95s
5939	0.47076	0.54004	0.87170	0.96667	0.96s
5940	0.47876	0.43585	1.09846	1.00000	0.96s
5941	0.47612	0.47099	1.01089	1.00000	0.95s
5942	0.50804	0.44451	1.14293	1.00000	0.95s
5943	0.48060	0.46629	1.03070	0.96667	0.96s
5944	0.50390	0.42962	1.17291	1.00000	0.96s
5945	0.45497	0.45575	0.99829	1.00000	0.97s
5946	0.46532	0.44475	1.04625	1.00000	0.95s
5947	0.43878	0.43038	1.01952	1.00000	0.96s
5948	0.49047	0.43128	1.13724	1.00000	0.95s
5949	0.48151	0.44425	1.08387	1.00000	0.96s
5950	0.44965	0.50265	0.89457	0.96667	0.97s
5951	0.49241	0.45837	1.07426	1.00000	0.95s
5952	0.45644	0.43296	1.05422	1.00000	0.96s
5953	0.50604	0.45048	1.12334	1.00000	0.96s
5954	0.51820	0.48833	1.06117	0.96667	0.95s
5955	0.44450	0.45552	0.97580	0.96667	0.96s
5956	0.51554	0.43558	1.18359	1.00000	0.96s
5957	0.44890	0.50321	0.89207	0.96667	0.96s
5958	0.52320	0.43140	1.21278	1.00000	0.96s
5959	0.48432	0.43346	1.11734	1.00000	0.95s
5960	0.46147	0.54501	0.84673	0.96667	0.96s
5961	0.50791	0.42796	1.18682	1.00000	0.95s
5962	0.45326	0.44977	1.00775	1.00000	0.95s
5963	0.47931	0.43776	1.09492	1.00000	0.95s
5964	0.44774	0.43511	1.02902	1.00000	0.97s
5965	0.45502	0.51462	0.88418	0.93333	0.95s
5966	0.46349	0.45819	1.01159	1.00000	0.95s
5967	0.46843	0.63691	0.73547	0.93333	0.95s
5968	0.44372	0.47777	0.92873	0.96667	0.96s
5969	0.44039	0.44821	0.98255	1.00000	0.95s
5970	0.44230	0.43938	1.00666	1.00000	0.95s
5971	0.47702	0.44832	1.06403	1.00000	0.96s
5972	0.48614	0.47878	1.01537	0.96667	0.95s
5973	0.48227	0.43900	1.09856	1.00000	0.96s
5974	0.45371	0.57828	0.78459	0.96667	0.97s
5975	0.54898	0.51519	1.06559	0.96667	0.97s
5976	0.47555	0.43255	1.09943	1.00000	0.95s
5977	0.46668	0.45474	1.02626	1.00000	0.96s
5978	0.47537	0.49231	0.96557	0.96667	0.96s
5979	0.47969	0.42543	1.12753	1.00000	0.96s
5980	0.51790	0.49048	1.05592	0.96667	0.95s
5981	0.45339	0.42899	1.05688	1.00000	0.96s
5982	0.46805	0.44091	1.06154	1.00000	0.95s
5983	0.49944	0.43309	1.15319	1.00000	0.97s
5984	0.48245	0.43859	1.10000	1.00000	0.95s
5985	0.44832	0.43362	1.03390	1.00000	0.95s
5986	0.44246	0.46305	0.95553	1.00000	0.96s
5987	0.46866	0.43810	1.06975	1.00000	0.96s
5988	0.44472	0.53815	0.82638	0.96667	0.96s
5989	0.44334	0.42522	1.04260	1.00000	0.96s

5990	0.46058	0.45488	1.01255	1.00000	0.95s
5991	0.49692	0.42380	1.17252	1.00000	0.95s
5992	0.44938	0.42308	1.06218	1.00000	0.96s
5993	0.45462	0.42763	1.06313	1.00000	0.97s
5994	0.44834	0.44080	1.01710	1.00000	0.96s
5995	0.46154	0.44762	1.03109	1.00000	0.96s
5996	0.46774	0.42744	1.09429	1.00000	0.96s
5997	0.45440	0.42611	1.06641	1.00000	0.96s
5998	0.46575	0.43148	1.07944	1.00000	0.96s
5999	0.43879	0.43015	1.02010	1.00000	0.95s
6000	0.49441	0.42366	1.16698	1.00000	0.95s
6001	0.47490	0.45990	1.03260	0.96667	0.95s
6002	0.45426	0.42755	1.06246	1.00000	0.96s
6003	0.51538	0.43317	1.18978	1.00000	0.96s
6004	0.44309	0.42618	1.03967	1.00000	0.96s
6005	0.48617	0.42247	1.15078	1.00000	0.97s
6006	0.51982	0.43239	1.20222	1.00000	0.97s
6007	0.43922	0.42209	1.04060	1.00000	0.97s
6008	0.46645	0.47519	0.98161	0.96667	0.96s
6009	0.44045	0.42337	1.04035	1.00000	0.96s
6010	0.45009	0.42470	1.05978	1.00000	0.96s
6011	0.44762	0.42830	1.04511	1.00000	0.96s
6012	0.52861	0.42363	1.24781	1.00000	0.96s
6013	0.46768	0.55809	0.83800	0.96667	0.97s
6014	0.55899	0.42202	1.32456	1.00000	0.95s
6015	0.45096	0.42918	1.05075	1.00000	0.96s
6016	0.44131	0.42906	1.02854	1.00000	0.95s
6017	0.47925	0.43357	1.10535	1.00000	0.97s
6018	0.46552	0.43262	1.07605	1.00000	0.96s
6019	0.46250	0.44045	1.05007	1.00000	0.95s
6020	0.43672	0.46529	0.93860	0.96667	0.96s
6021	0.46686	0.47577	0.98126	0.96667	0.96s
6022	0.47368	0.43989	1.07683	1.00000	0.96s
6023	0.45421	0.47663	0.95298	0.96667	0.96s
6024	0.44779	0.45667	0.98056	1.00000	0.95s
6025	0.47967	0.45876	1.04557	0.96667	0.95s
6026	0.44686	0.42981	1.03966	1.00000	0.96s
6027	0.44381	0.43643	1.01690	1.00000	0.96s
6028	0.54007	0.42351	1.27521	1.00000	0.96s
6029	0.43952	0.44885	0.97922	1.00000	0.96s
6030	0.47084	0.43381	1.08537	1.00000	0.96s
6031	0.47201	0.43315	1.08972	1.00000	0.96s
6032	0.46078	0.50566	0.91124	0.96667	0.97s
6033	0.49041	0.46325	1.05862	0.96667	0.95s
6034	0.42890	0.50936	0.84204	0.96667	0.96s
6035	0.44330	0.53436	0.82958	0.93333	0.95s
6036	0.47256	0.42898	1.10159	1.00000	0.96s
6037	0.46881	0.42280	1.10882	1.00000	0.96s
6038	0.46966	0.44307	1.06001	1.00000	0.97s
6039	0.44103	0.42506	1.03756	1.00000	0.95s
6040	0.49267	0.42069	1.17112	1.00000	0.95s
6041	0.46563	0.42587	1.09336	1.00000	0.95s
6042	0.44843	0.43458	1.03187	1.00000	0.96s
6043	0.44703	0.43689	1.02321	1.00000	0.96s

6044	0.52288	0.43602	1.19921	1.00000	0.96s
6045	0.43533	0.42085	1.03439	1.00000	0.96s
6046	0.43709	0.46170	0.94670	1.00000	0.96s
6047	0.44749	0.42821	1.04503	1.00000	0.96s
6048	0.47389	0.45399	1.04382	1.00000	0.96s
6049	0.45322	0.42258	1.07252	1.00000	0.97s
6050	0.46461	0.43885	1.05869	1.00000	0.96s
6051	0.49762	0.42474	1.17158	1.00000	0.98s
6052	0.48678	0.43278	1.12478	1.00000	0.95s
6053	0.44743	0.43847	1.02044	1.00000	0.95s
6054	0.44846	0.46337	0.96783	1.00000	0.97s
6055	0.46665	0.42019	1.11056	1.00000	0.95s
6056	0.51813	0.44403	1.16688	1.00000	0.95s
6057	0.44615	0.59951	0.74420	0.93333	0.95s
6058	0.45162	0.43266	1.04382	1.00000	0.96s
6059	0.47296	0.46765	1.01136	0.96667	0.96s
6060	0.47142	0.42651	1.10528	1.00000	0.96s
6061	0.45249	0.42856	1.05584	1.00000	0.95s
6062	0.46429	0.46995	0.98796	0.96667	0.95s
6063	0.45149	0.44515	1.01425	1.00000	0.96s
6064	0.48359	0.43346	1.11567	1.00000	0.96s
6065	0.46942	0.42298	1.10978	1.00000	0.96s
6066	0.43262	0.42506	1.01778	1.00000	0.96s
6067	0.44055	0.44142	0.99804	1.00000	0.96s
6068	0.45438	0.44667	1.01727	1.00000	0.97s
6069	0.52060	0.44427	1.17181	1.00000	0.96s
6070	0.46862	0.42735	1.09658	1.00000	0.96s
6071	0.43301	0.42813	1.01138	1.00000	0.96s
6072	0.45521	0.42383	1.07403	1.00000	0.95s
6073	0.47223	0.41905	1.12691	1.00000	0.96s
6074	0.44028	0.46084	0.95540	1.00000	0.95s
6075	0.46956	0.43825	1.07143	1.00000	0.96s
6076	0.45351	0.42863	1.05805	1.00000	0.96s
6077	0.47493	0.42370	1.12092	1.00000	0.96s
6078	0.44455	0.42036	1.05753	1.00000	0.96s
6079	0.44847	0.43373	1.03399	1.00000	0.96s
6080	0.46508	0.44319	1.04940	1.00000	0.96s
6081	0.49026	0.42879	1.14336	1.00000	0.96s
6082	0.45600	0.44966	1.01410	1.00000	0.96s
6083	0.48250	0.48771	0.98932	0.93333	0.95s
6084	0.43647	0.42825	1.01918	1.00000	0.96s
6085	0.44606	0.42299	1.05454	1.00000	0.96s
6086	0.45832	0.41807	1.09626	1.00000	0.95s
6087	0.49089	0.42254	1.16175	1.00000	0.95s
6088	0.53763	0.43446	1.23747	1.00000	0.95s
6089	0.49398	0.56835	0.86915	0.96667	0.97s
6090	0.44065	0.43958	1.00242	1.00000	0.96s
6091	0.45607	0.42257	1.07928	1.00000	0.96s
6092	0.43661	0.41735	1.04614	1.00000	0.96s
6093	0.47829	0.44602	1.07233	0.96667	0.96s
6094	0.52760	0.43399	1.21569	1.00000	0.97s
6095	0.51599	0.42334	1.21885	1.00000	0.96s
6096	0.45447	0.42357	1.07293	1.00000	0.95s
6097	0.43583	0.41588	1.04796	1.00000	0.95s

6098	0.45836	0.45552	1.00625	1.00000	0.96s
6099	0.47679	0.42538	1.12088	1.00000	0.96s
6100	0.48257	0.44091	1.09449	1.00000	0.97s
6101	0.46466	0.43216	1.07520	1.00000	0.97s
6102	0.46852	0.44493	1.05301	0.96667	0.96s
6103	0.43089	0.42100	1.02349	1.00000	0.96s
6104	0.43982	0.42362	1.03823	1.00000	0.96s
6105	0.46430	0.41509	1.11855	1.00000	0.97s
6106	0.49278	0.55474	0.88832	0.93333	0.96s
6107	0.44466	0.43800	1.01519	1.00000	0.95s
6108	0.43460	0.43879	0.99047	1.00000	0.96s
6109	0.43336	0.42146	1.02825	1.00000	0.96s
6110	0.55284	0.42311	1.30660	1.00000	0.94s
6111	0.43420	0.41911	1.03602	1.00000	0.95s
6112	0.44766	0.42434	1.05497	1.00000	0.97s
6113	0.43052	0.41437	1.03897	1.00000	0.96s
6114	0.46237	0.42673	1.08353	1.00000	0.97s
6115	0.44445	0.42141	1.05467	1.00000	0.96s
6116	0.45162	0.41314	1.09314	1.00000	0.96s
6117	0.53159	0.41717	1.27427	1.00000	0.95s
6118	0.43465	0.42440	1.02415	1.00000	0.96s
6119	0.43589	0.41596	1.04793	1.00000	0.96s
6120	0.44764	0.42600	1.05079	1.00000	0.97s
6121	0.47329	0.41618	1.13725	1.00000	0.97s
6122	0.51896	0.44003	1.17940	1.00000	0.97s
6123	0.46496	0.41748	1.11372	1.00000	0.96s
6124	0.45866	0.41880	1.09518	1.00000	0.96s
6125	0.43297	0.41437	1.04490	1.00000	0.96s
6126	0.46064	0.44107	1.04437	1.00000	0.96s
6127	0.48091	0.41520	1.15826	1.00000	0.96s
6128	0.42966	0.42000	1.02300	1.00000	0.96s
6129	0.47080	0.42458	1.10886	1.00000	0.96s
6130	0.45684	0.47547	0.96081	0.96667	0.96s
6131	0.45113	0.44407	1.01589	0.96667	0.96s
6132	0.45429	0.42948	1.05777	1.00000	0.97s
6133	0.47353	0.61816	0.76603	0.96667	0.95s
6134	0.44232	0.41686	1.06107	1.00000	0.96s
6135	0.54499	0.42598	1.27938	1.00000	0.99s
6136	0.50381	0.41870	1.20328	1.00000	0.96s
6137	0.44635	0.42837	1.04198	1.00000	0.97s
6138	0.48476	0.43665	1.11019	1.00000	0.96s
6139	0.48616	0.42466	1.14483	1.00000	0.96s
6140	0.45652	0.44039	1.03662	1.00000	0.97s
6141	0.43196	0.41777	1.03396	1.00000	0.96s
6142	0.44641	0.42570	1.04866	1.00000	0.96s
6143	0.48834	0.41987	1.16309	1.00000	0.96s
6144	0.45225	0.50182	0.90123	0.96667	0.96s
6145	0.47164	0.42346	1.11379	1.00000	0.96s
6146	0.54040	0.42669	1.26650	1.00000	0.97s
6147	0.50598	0.51855	0.97577	0.96667	0.97s
6148	0.44002	0.43262	1.01710	1.00000	0.97s
6149	0.54074	0.45484	1.18885	0.96667	0.96s
6150	0.47236	0.57389	0.82310	0.96667	0.96s
6151	0.44659	0.41685	1.07135	1.00000	0.96s

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   6152       0.48932       0.44734       1.09383       1.00000  0.96s
   6153       0.44432       0.46736       0.95070       0.96667  0.96s
   6154       0.44261       0.46733       0.94710       0.96667  0.96s
   6155       0.48782       0.43573       1.11955       1.00000  0.95s
   6156       0.46384       0.41797       1.10975       1.00000  0.96s
   6157       0.50513       0.42268       1.19505       1.00000  0.96s
   6158       0.43213       0.48158       0.89733       0.96667  0.95s
   6159       0.48695       0.43883       1.10965       1.00000  0.96s
   6160       0.45099       0.41561       1.08512       1.00000  0.96s
   6161       0.45848       0.48374       0.94777       0.96667  0.96s
   6162       0.46154       0.44707       1.03238       0.96667  0.96s
   6163       0.45988       0.43331       1.06133       1.00000  0.95s
   6164       0.47187       0.44428       1.06210       1.00000  0.96s
   6165       0.45184       0.41637       1.08518       1.00000  0.96s
   6166       0.45185       0.46461       0.97254       0.96667  0.97s
   6167       0.43835       0.44804       0.97836       1.00000  0.97s
   6168       0.47124       0.41627       1.13205       1.00000  0.96s
   6169       0.47501       0.48159       0.98635       0.96667  0.96s
   6170       0.47309       0.49563       0.95453       0.96667  0.96s
   6171       0.43334       0.43651       0.99273       1.00000  0.96s
   6172       0.47724       0.43232       1.10391       1.00000  0.96s
   6173       0.47025       0.41567       1.13130       1.00000  0.97s
   6174       0.46386       0.42569       1.08966       1.00000  0.95s
   6175       0.45071       0.47267       0.95354       0.96667  0.96s
   6176       0.46407       0.41748       1.11158       1.00000  0.95s
   6177       0.44901       0.49441       0.90818       0.96667  0.96s
   6178       0.43533       0.41662       1.04489       1.00000  0.96s
   6179       0.42557       0.48896       0.87036       0.96667  0.97s
   6180       0.44071       0.45119       0.97679       1.00000  0.96s
   6181       0.50088       0.42300       1.18409       1.00000  0.96s
   6182       0.46145       0.43342       1.06468       1.00000  0.96s
   6183       0.42878       0.43766       0.97972       1.00000  0.96s
   6184       0.43021       0.41366       1.04000       1.00000  0.95s
   6185       0.43989       0.41202       1.06764       1.00000  0.96s
   6186       0.48178       0.51031       0.94411       0.96667  0.95s
   6187       0.43515       0.41616       1.04564       1.00000  0.96s
   6188       0.49289       0.42060       1.17190       1.00000  0.98s
   6189       0.43893       0.47646       0.92123       0.96667  0.96s
   6190       0.44521       0.42000       1.06000       1.00000  0.96s
   6191       0.42814       0.42388       1.01005       1.00000  0.96s
   6192       0.42751       0.42743       1.00019       1.00000  0.96s
   6193       0.44223       0.41019       1.07811       1.00000  0.96s
   6194       0.48621       0.46765       1.03970       0.96667  0.96s
   6195       0.43542       0.43207       1.00775       1.00000  0.96s
   6196       0.45999       0.41594       1.10588       1.00000  0.96s
   6197       0.47505       0.41864       1.13475       1.00000  0.96s
   6198       0.46960       0.41444       1.13308       1.00000  0.96s
   6199       0.44398       0.42594       1.04237       1.00000  0.97s
   6200       0.43475       0.41871       1.03832       1.00000  0.96s
Regularization term: 0.402695715427
2016-07-26 23:19:04,604 - root - INFO - Duration of saving to disk: 0:00:19
2016-07-26 23:19:14,501 - root - INFO - Duration of validation: 0:00:09
   6201       0.43685       0.41298       1.05781       1.00000  0.99s
   6202       0.48379       0.43246       1.11869       1.00000  0.96s
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6203	0.49162	0.42264	1.16322	1.00000	0.96s
6204	0.45810	0.42429	1.07969	1.00000	0.96s
6205	0.46097	0.43435	1.06129	1.00000	0.96s
6206	0.43690	0.41349	1.05662	1.00000	0.96s
6207	0.45682	0.42456	1.07599	1.00000	0.95s
6208	0.45387	0.41868	1.08404	1.00000	0.96s
6209	0.45303	0.41283	1.09737	1.00000	0.95s
6210	0.46224	0.41962	1.10156	1.00000	0.96s
6211	0.43194	0.41928	1.03020	1.00000	0.95s
6212	0.47839	0.43077	1.11054	1.00000	0.96s
6213	0.43565	0.42134	1.03396	1.00000	0.96s
6214	0.46317	0.43826	1.05683	1.00000	0.95s
6215	0.49453	0.47638	1.03809	1.00000	0.96s
6216	0.44704	0.68095	0.65650	0.96667	0.96s
6217	0.42751	0.52990	0.80678	0.96667	0.96s
6218	0.43041	0.43383	0.99211	1.00000	0.96s
6219	0.48273	0.47336	1.01981	0.96667	0.95s
6220	0.43386	0.49829	0.87070	0.96667	0.96s
6221	0.43443	0.42541	1.02121	1.00000	0.95s
6222	0.45599	0.57093	0.79868	0.96667	0.97s
6223	0.44800	0.52955	0.84600	0.96667	0.95s
6224	0.49201	0.42079	1.16927	1.00000	0.96s
6225	0.43893	0.41101	1.06793	1.00000	0.98s
6226	0.48195	0.40880	1.17892	1.00000	0.96s
6227	0.48228	0.41574	1.16005	1.00000	0.97s
6228	0.42599	0.45646	0.93326	1.00000	0.96s
6229	0.45495	0.45729	0.99489	0.96667	0.96s
6230	0.42674	0.42336	1.00799	1.00000	0.95s
6231	0.46471	0.43760	1.06196	1.00000	0.96s
6232	0.47672	0.50233	0.94901	0.96667	0.95s
6233	0.46453	0.50255	0.92434	0.96667	0.97s
6234	0.45537	0.42571	1.06967	1.00000	0.96s
6235	0.43862	0.42705	1.02708	1.00000	0.96s
6236	0.45855	0.41665	1.10055	1.00000	0.96s
6237	0.43982	0.43244	1.01706	1.00000	0.95s
6238	0.46304	0.46513	0.99552	0.96667	0.95s
6239	0.45006	0.43348	1.03825	1.00000	0.96s
6240	0.43981	0.41249	1.06623	1.00000	0.95s
6241	0.47098	0.41858	1.12518	1.00000	0.95s
6242	0.46289	0.42268	1.09512	1.00000	0.97s
6243	0.43956	0.40861	1.07575	1.00000	0.96s
6244	0.48513	0.44483	1.09059	1.00000	0.96s
6245	0.50123	0.41428	1.20988	1.00000	0.96s
6246	0.43972	0.43497	1.01092	1.00000	0.96s
6247	0.51913	0.44487	1.16693	1.00000	0.95s
6248	0.45242	0.40971	1.10425	1.00000	0.96s
6249	0.44125	0.42381	1.04116	1.00000	0.96s
6250	0.44338	0.41112	1.07846	1.00000	0.96s
6251	0.42386	0.42070	1.00750	1.00000	0.95s
6252	0.44226	0.42019	1.05253	1.00000	0.95s
6253	0.43737	0.42134	1.03804	1.00000	0.95s
6254	0.43082	0.42237	1.02001	1.00000	0.97s
6255	0.43181	0.42073	1.02632	1.00000	0.96s
6256	0.44610	0.42380	1.05262	1.00000	0.96s

6257	0.48944	0.42543	1.15047	1.00000	0.95s
6258	0.42490	0.50056	0.84885	0.96667	0.96s
6259	0.44522	0.41816	1.06470	1.00000	0.96s
6260	0.45630	0.48269	0.94533	0.96667	0.96s
6261	0.44900	0.43427	1.03392	1.00000	0.95s
6262	0.45800	0.46246	0.99037	0.96667	0.96s
6263	0.43489	0.41113	1.05779	1.00000	0.96s
6264	0.42811	0.49482	0.86519	0.96667	0.96s
6265	0.47661	0.41429	1.15042	1.00000	0.96s
6266	0.44605	0.40544	1.10016	1.00000	0.95s
6267	0.43923	0.49005	0.89629	0.96667	0.96s
6268	0.42991	0.40740	1.05527	1.00000	0.95s
6269	0.43257	0.46955	0.92125	0.96667	0.95s
6270	0.44649	0.40835	1.09339	1.00000	0.96s
6271	0.43064	0.40693	1.05825	1.00000	0.95s
6272	0.46205	0.44091	1.04796	1.00000	0.96s
6273	0.46119	0.42200	1.09286	1.00000	0.95s
6274	0.43426	0.40452	1.07353	1.00000	0.96s
6275	0.48089	0.41221	1.16660	1.00000	0.95s
6276	0.42923	0.42380	1.01281	1.00000	0.96s
6277	0.43936	0.40931	1.07341	1.00000	0.95s
6278	0.44183	0.41259	1.07088	1.00000	0.95s
6279	0.45906	0.40829	1.12437	1.00000	0.95s
6280	0.42666	0.40928	1.04246	1.00000	0.95s
6281	0.51372	0.41295	1.24403	1.00000	0.97s
6282	0.47945	0.40670	1.17886	1.00000	0.96s
6283	0.46078	0.40886	1.12699	1.00000	0.96s
6284	0.43825	0.40807	1.07397	1.00000	0.97s
6285	0.52439	0.43307	1.21088	1.00000	0.96s
6286	0.45239	0.41376	1.09335	1.00000	0.97s
6287	0.46537	0.40639	1.14513	1.00000	0.96s
6288	0.45402	0.47592	0.95398	0.96667	0.95s
6289	0.43477	0.41557	1.04620	1.00000	0.96s
6290	0.42973	0.46513	0.92389	0.96667	0.95s
6291	0.42957	0.53170	0.80792	0.93333	0.96s
6292	0.45935	0.41022	1.11977	1.00000	0.96s
6293	0.47781	0.43036	1.11026	1.00000	0.96s
6294	0.44254	0.52590	0.84151	0.96667	0.96s
6295	0.42393	0.40849	1.03778	1.00000	0.96s
6296	0.44673	0.43748	1.02114	1.00000	0.96s
6297	0.48008	0.41703	1.15120	1.00000	0.95s
6298	0.43929	0.40569	1.08283	1.00000	0.96s
6299	0.43883	0.40972	1.07104	1.00000	0.95s
6300	0.42494	0.41337	1.02798	1.00000	0.96s
6301	0.49179	0.41489	1.18535	1.00000	0.96s
6302	0.43298	0.41352	1.04704	1.00000	0.96s
6303	0.43515	0.40860	1.06499	1.00000	0.96s
6304	0.41967	0.41648	1.00766	1.00000	0.96s
6305	0.45223	0.42252	1.07031	1.00000	0.95s
6306	0.42417	0.44481	0.95359	1.00000	0.97s
6307	0.43950	0.41289	1.06445	1.00000	0.96s
6308	0.41907	0.41415	1.01189	1.00000	0.96s
6309	0.42816	0.40739	1.05098	1.00000	0.96s
6310	0.42493	0.40911	1.03868	1.00000	0.95s

6311	0.49663	0.45891	1.08220	1.00000	0.97s
6312	0.43666	0.41578	1.05021	1.00000	0.96s
6313	0.43537	0.42379	1.02731	1.00000	0.95s
6314	0.42316	0.41178	1.02763	1.00000	0.96s
6315	0.42300	0.41604	1.01674	1.00000	0.96s
6316	0.48571	0.43461	1.11756	0.96667	0.96s
6317	0.54365	0.41596	1.30697	1.00000	0.96s
6318	0.44919	0.40588	1.10671	1.00000	0.96s
6319	0.42847	0.40673	1.05345	1.00000	0.96s
6320	0.43599	0.51132	0.85268	0.93333	0.96s
6321	0.43970	0.43890	1.00183	0.96667	0.96s
6322	0.46032	0.40988	1.12307	1.00000	0.96s
6323	0.44035	0.41831	1.05269	1.00000	0.95s
6324	0.45362	0.40703	1.11445	1.00000	0.95s
6325	0.41856	0.44767	0.93498	1.00000	0.96s
6326	0.42732	0.42967	0.99452	1.00000	0.96s
6327	0.43900	0.52375	0.83818	0.96667	0.95s
6328	0.43069	0.42267	1.01897	1.00000	0.96s
6329	0.44540	0.40891	1.08924	1.00000	0.96s
6330	0.45036	0.42067	1.07058	1.00000	0.96s
6331	0.44782	0.41868	1.06960	1.00000	0.95s
6332	0.44960	0.42834	1.04964	1.00000	0.96s
6333	0.58075	0.53657	1.08233	0.93333	0.96s
6334	0.41649	0.42185	0.98730	1.00000	0.96s
6335	0.49439	0.41447	1.19283	1.00000	0.97s
6336	0.42673	0.40712	1.04817	1.00000	0.96s
6337	0.44351	0.40399	1.09782	1.00000	0.95s
6338	0.42520	0.40965	1.03797	1.00000	0.96s
6339	0.42577	0.40337	1.05553	1.00000	0.97s
6340	0.43222	0.40676	1.06259	1.00000	0.96s
6341	0.41320	0.42313	0.97653	1.00000	0.96s
6342	0.41994	0.42176	0.99567	1.00000	0.96s
6343	0.46037	0.40070	1.14891	1.00000	0.97s
6344	0.43506	0.40337	1.07858	1.00000	0.95s
6345	0.41881	0.40231	1.04101	1.00000	0.96s
6346	0.44147	0.40789	1.08234	1.00000	0.95s
6347	0.42320	0.41217	1.02676	1.00000	0.96s
6348	0.44406	0.46934	0.94615	0.96667	0.96s
6349	0.43523	0.41151	1.05766	1.00000	0.96s
6350	0.42957	0.40086	1.07161	1.00000	0.96s
6351	0.45082	0.41014	1.09919	1.00000	0.97s
6352	0.41778	0.40447	1.03291	1.00000	0.97s
6353	0.45438	0.40113	1.13274	1.00000	0.96s
6354	0.43055	0.40896	1.05280	1.00000	0.95s
6355	0.42233	0.40497	1.04285	1.00000	0.96s
6356	0.41263	0.42393	0.97334	1.00000	0.96s
6357	0.42945	0.42362	1.01374	1.00000	0.96s
6358	0.50015	0.41016	1.21941	1.00000	0.96s
6359	0.43066	0.42377	1.01625	1.00000	0.95s
6360	0.44389	0.40864	1.08624	1.00000	0.95s
6361	0.42276	0.40863	1.03457	1.00000	0.97s
6362	0.42003	0.40575	1.03521	1.00000	0.96s
6363	0.42720	0.39966	1.06891	1.00000	0.96s
6364	0.43442	0.52117	0.83353	0.96667	0.96s

6365	0.41164	0.41985	0.98043	1.00000	0.96s
6366	0.43129	0.43940	0.98156	1.00000	0.94s
6367	0.43508	0.41864	1.03926	1.00000	0.96s
6368	0.43445	0.40817	1.06437	1.00000	0.96s
6369	0.45883	0.40056	1.14545	1.00000	0.96s
6370	0.42231	0.40263	1.04887	1.00000	0.96s
6371	0.43860	0.40496	1.08307	1.00000	0.95s
6372	0.47182	0.41384	1.14011	1.00000	0.97s
6373	0.45804	0.41702	1.09838	1.00000	0.95s
6374	0.41710	0.71085	0.58677	0.90000	0.97s
6375	0.43792	0.40286	1.08702	1.00000	0.96s
6376	0.44125	0.40895	1.07898	1.00000	0.95s
6377	0.44503	0.41006	1.08530	1.00000	0.96s
6378	0.43532	0.40510	1.07459	1.00000	0.97s
6379	0.42765	0.39829	1.07371	1.00000	0.96s
6380	0.41847	0.39949	1.04751	1.00000	0.96s
6381	0.44929	0.39876	1.12672	1.00000	0.96s
6382	0.48045	0.40642	1.18215	1.00000	0.97s
6383	0.43245	0.40124	1.07779	1.00000	0.96s
6384	0.50083	0.40025	1.25129	1.00000	0.97s
6385	0.45378	0.40276	1.12667	1.00000	0.96s
6386	0.42691	0.40256	1.06049	1.00000	0.96s
6387	0.46372	0.42464	1.09203	1.00000	0.95s
6388	0.54687	0.40560	1.34828	1.00000	0.96s
6389	0.49337	0.40251	1.22574	1.00000	0.96s
6390	0.42951	0.40145	1.06990	1.00000	0.96s
6391	0.43306	0.39774	1.08880	1.00000	0.96s
6392	0.44676	0.40740	1.09661	1.00000	0.96s
6393	0.42148	0.54530	0.77293	0.96667	0.96s
6394	0.42374	0.40057	1.05785	1.00000	0.96s
6395	0.44263	0.41797	1.05899	1.00000	0.96s
6396	0.41395	0.41473	0.99810	1.00000	0.96s
6397	0.43440	0.39600	1.09697	1.00000	0.96s
6398	0.43638	0.40816	1.06912	1.00000	0.96s
6399	0.42504	0.41222	1.03108	1.00000	0.95s
6400	0.43912	0.41714	1.05270	1.00000	0.95s
6401	0.42015	0.40092	1.04797	1.00000	0.97s
6402	0.43312	0.40264	1.07570	1.00000	0.96s
6403	0.41946	0.40842	1.02704	1.00000	0.96s
6404	0.44126	0.40109	1.10015	1.00000	0.97s
6405	0.41319	0.43271	0.95488	1.00000	0.95s
6406	0.42684	0.41862	1.01964	1.00000	0.96s
6407	0.41394	0.39972	1.03559	1.00000	0.95s
6408	0.42632	0.40535	1.05174	1.00000	0.96s
6409	0.44780	0.40667	1.10115	1.00000	0.96s
6410	0.42287	0.39832	1.06164	1.00000	0.96s
6411	0.41307	0.39688	1.04078	1.00000	0.97s
6412	0.43139	0.41570	1.03775	1.00000	0.95s
6413	0.42586	0.40793	1.04397	1.00000	0.95s
6414	0.41738	0.41822	0.99799	1.00000	0.97s
6415	0.44486	0.40770	1.09114	1.00000	0.96s
6416	0.41623	0.39892	1.04337	1.00000	0.97s
6417	0.43135	0.40125	1.07501	1.00000	0.96s
6418	0.41904	0.39799	1.05288	1.00000	0.96s

6419	0.42472	0.40496	1.04879	1.00000	0.96s
6420	0.43981	0.46111	0.95380	0.96667	0.96s
6421	0.42069	0.40559	1.03721	1.00000	0.96s
6422	0.42523	0.42154	1.00874	1.00000	0.96s
6423	0.41338	0.41473	0.99674	1.00000	0.96s
6424	0.42391	0.43453	0.97556	1.00000	0.96s
6425	0.43612	0.40113	1.08724	1.00000	0.95s
6426	0.46459	0.39966	1.16246	1.00000	0.96s
6427	0.42046	0.52004	0.80851	0.96667	0.95s
6428	0.47693	0.39775	1.19906	1.00000	0.95s
6429	0.40770	0.39392	1.03497	1.00000	0.96s
6430	0.49206	0.39912	1.23287	1.00000	0.96s
6431	0.49929	0.39666	1.25872	1.00000	0.96s
6432	0.42844	0.39544	1.08345	1.00000	0.95s
6433	0.41977	0.39741	1.05625	1.00000	0.96s
6434	0.43739	0.39316	1.11250	1.00000	0.96s
6435	0.41308	0.39369	1.04923	1.00000	0.96s
6436	0.43429	0.39947	1.08716	1.00000	0.95s
6437	0.41316	0.45602	0.90602	0.96667	0.96s
6438	0.42755	0.39432	1.08427	1.00000	0.95s
6439	0.40853	0.42554	0.96003	0.96667	0.96s
6440	0.40641	0.40198	1.01103	1.00000	0.95s
6441	0.42214	0.39727	1.06260	1.00000	0.96s
6442	0.41028	0.54200	0.75697	0.96667	0.95s
6443	0.42910	0.39584	1.08404	1.00000	0.96s
6444	0.45109	0.41048	1.09893	1.00000	0.96s
6445	0.41070	0.43344	0.94754	1.00000	0.96s
6446	0.46725	0.39568	1.18087	1.00000	0.96s
6447	0.41841	0.42767	0.97835	0.96667	0.95s
6448	0.40913	0.39713	1.03024	1.00000	0.96s
6449	0.42901	0.42482	1.00986	0.96667	0.95s
6450	0.42638	0.39790	1.07157	1.00000	0.95s
6451	0.42067	0.39688	1.05994	1.00000	0.96s
6452	0.43688	0.39828	1.09692	1.00000	0.96s
6453	0.42691	0.39634	1.07713	1.00000	0.96s
6454	0.42498	0.41030	1.03577	1.00000	0.97s
6455	0.42634	0.39654	1.07514	1.00000	0.95s
6456	0.41606	0.40443	1.02875	1.00000	0.96s
6457	0.45544	0.39376	1.15664	1.00000	0.95s
6458	0.41720	0.39140	1.06593	1.00000	0.96s
6459	0.41993	0.41105	1.02161	1.00000	0.96s
6460	0.41240	0.44577	0.92516	0.96667	0.96s
6461	0.41863	0.39436	1.06153	1.00000	0.96s
6462	0.41886	0.39474	1.06111	1.00000	0.96s
6463	0.40566	0.40203	1.00904	1.00000	0.96s
6464	0.43844	0.39849	1.10025	1.00000	0.97s
6465	0.44298	0.45372	0.97632	0.96667	0.96s
6466	0.41244	0.39382	1.04727	1.00000	0.96s
6467	0.41553	0.42311	0.98209	0.96667	0.96s
6468	0.41528	0.44179	0.93999	0.96667	0.96s
6469	0.41075	0.40099	1.02435	1.00000	0.96s
6470	0.43935	0.40439	1.08645	1.00000	0.95s
6471	0.41757	0.41719	1.00092	1.00000	0.98s
6472	0.44556	0.42030	1.06010	1.00000	0.95s

6473	0.42419	0.39075	1.08557	1.00000	0.96s
6474	0.43769	0.46113	0.94918	0.96667	0.95s
6475	0.49157	0.48816	1.00699	0.96667	0.96s
6476	0.42348	0.40284	1.05124	1.00000	0.97s
6477	0.44552	0.41698	1.06845	1.00000	0.96s
6478	0.41244	0.39300	1.04946	1.00000	0.95s
6479	0.42347	0.39067	1.08398	1.00000	0.97s
6480	0.43467	0.39315	1.10561	1.00000	0.96s
6481	0.41097	0.40352	1.01845	1.00000	0.96s
6482	0.50679	0.39967	1.26801	1.00000	0.96s
6483	0.41908	0.40465	1.03566	1.00000	0.96s
6484	0.43078	0.39328	1.09535	1.00000	0.96s
6485	0.41152	0.39506	1.04165	1.00000	0.96s
6486	0.41080	0.39141	1.04954	1.00000	0.95s
6487	0.39996	0.51330	0.77918	0.96667	0.95s
6488	0.40571	0.38957	1.04142	1.00000	0.95s
6489	0.41467	0.39418	1.05198	1.00000	0.96s
6490	0.43448	0.39849	1.09032	1.00000	0.96s
6491	0.40791	0.39522	1.03212	1.00000	0.95s
6492	0.45047	0.40918	1.10093	1.00000	0.97s
6493	0.40857	0.39013	1.04727	1.00000	0.96s
6494	0.43609	0.39249	1.11109	1.00000	0.95s
6495	0.42883	0.44505	0.96356	0.96667	0.96s
6496	0.44419	0.39121	1.13543	1.00000	0.96s
6497	0.48515	0.43875	1.10575	0.96667	0.96s
6498	0.40457	0.39027	1.03663	1.00000	0.95s
6499	0.40369	0.39942	1.01067	1.00000	0.95s
6500	0.41188	0.38929	1.05803	1.00000	0.95s
6501	0.42021	0.39184	1.07241	1.00000	0.96s
6502	0.40579	0.40102	1.01189	1.00000	0.96s
6503	0.43527	0.39740	1.09530	1.00000	0.95s
6504	0.41504	0.39374	1.05409	1.00000	0.96s
6505	0.40830	0.39296	1.03903	1.00000	0.95s
6506	0.44791	0.38804	1.15430	1.00000	0.97s
6507	0.40604	0.39078	1.03907	1.00000	0.96s
6508	0.41180	0.38758	1.06250	1.00000	0.96s
6509	0.46522	0.41365	1.12467	1.00000	0.95s
6510	0.41417	0.39409	1.05097	1.00000	0.96s
6511	0.47835	0.39584	1.20844	1.00000	0.95s
6512	0.42551	0.42510	1.00097	0.96667	0.95s
6513	0.39725	0.39069	1.01680	1.00000	0.95s
6514	0.40131	0.38712	1.03666	1.00000	0.95s
6515	0.41305	0.45115	0.91555	0.96667	0.96s
6516	0.41052	0.43080	0.95293	0.96667	0.96s
6517	0.44550	0.42397	1.05077	0.96667	0.95s
6518	0.42379	0.38835	1.09128	1.00000	0.96s
6519	0.41623	0.38797	1.07286	1.00000	0.95s
6520	0.43651	0.38867	1.12308	1.00000	0.97s
6521	0.40164	0.39184	1.02500	1.00000	0.96s
6522	0.39802	0.39633	1.00427	1.00000	0.97s
6523	0.41489	0.39555	1.04889	1.00000	0.97s
6524	0.40055	0.41099	0.97458	1.00000	0.97s
6525	0.39697	0.38926	1.01980	1.00000	0.96s
6526	0.52054	0.38712	1.34466	1.00000	0.96s

6527	0.41837	0.43873	0.95359	0.96667	0.95s
6528	0.45644	0.40873	1.11670	1.00000	0.96s
6529	0.41140	0.38541	1.06742	1.00000	0.96s
6530	0.39591	0.41004	0.96555	1.00000	0.95s
6531	0.41708	0.40019	1.04219	1.00000	0.95s
6532	0.40228	0.39794	1.01090	1.00000	0.95s
6533	0.46427	0.39061	1.18860	1.00000	0.96s
6534	0.40973	0.40134	1.02090	1.00000	0.95s
6535	0.43016	0.39960	1.07648	1.00000	0.97s
6536	0.39917	0.43585	0.91583	0.96667	0.97s
6537	0.48508	0.39898	1.21580	1.00000	0.96s
6538	0.41529	0.38720	1.07256	1.00000	0.97s
6539	0.42242	0.60878	0.69388	0.96667	0.97s
6540	0.45385	0.38914	1.16629	1.00000	0.96s
6541	0.44487	0.39129	1.13691	1.00000	0.96s
6542	0.49687	0.39516	1.25740	1.00000	0.96s
6543	0.42444	0.39152	1.08409	1.00000	0.95s
6544	0.41995	0.39159	1.07243	1.00000	0.97s
6545	0.40960	0.39077	1.04818	1.00000	0.95s
6546	0.41438	0.40642	1.01959	1.00000	0.96s
6547	0.40389	0.40766	0.99073	1.00000	0.96s
6548	0.43841	0.39499	1.10995	1.00000	0.95s
6549	0.39368	0.39500	0.99666	1.00000	0.96s
6550	0.40320	0.39742	1.01454	1.00000	0.95s
6551	0.39978	0.39221	1.01930	1.00000	0.96s
6552	0.41013	0.40302	1.01764	1.00000	0.95s
6553	0.47694	0.39295	1.21374	1.00000	0.95s
6554	0.47594	0.38408	1.23917	1.00000	0.96s
6555	0.40010	0.44790	0.89327	0.96667	0.95s
6556	0.40285	0.39520	1.01937	1.00000	0.95s
6557	0.41837	0.38538	1.08560	1.00000	0.96s
6558	0.40683	0.38694	1.05139	1.00000	0.95s
6559	0.43303	0.39024	1.10964	1.00000	0.96s
6560	0.39859	0.38845	1.02611	1.00000	0.96s
6561	0.40660	0.38206	1.06424	1.00000	0.95s
6562	0.44311	0.40237	1.10124	1.00000	0.95s
6563	0.43576	0.45977	0.94778	0.96667	0.95s
6564	0.40540	0.39449	1.02766	1.00000	0.96s
6565	0.41680	0.40368	1.03250	1.00000	0.96s
6566	0.41678	0.40007	1.04175	1.00000	0.96s
6567	0.42370	0.46422	0.91273	0.96667	0.96s
6568	0.43825	0.38988	1.12408	1.00000	0.95s
6569	0.44428	0.38801	1.14503	1.00000	0.96s
6570	0.40830	0.38626	1.05706	1.00000	0.96s
6571	0.46591	0.38758	1.20211	1.00000	0.96s
6572	0.40850	0.41006	0.99620	1.00000	0.96s
6573	0.43222	0.38548	1.12125	1.00000	0.95s
6574	0.40666	0.38482	1.05676	1.00000	0.96s
6575	0.41049	0.39004	1.05243	1.00000	0.96s
6576	0.44842	0.38940	1.15155	1.00000	0.95s
6577	0.44476	0.41771	1.06475	0.96667	0.95s
6578	0.42703	0.39202	1.08931	1.00000	0.96s
6579	0.43468	0.38526	1.12829	1.00000	0.96s
6580	0.44985	0.39625	1.13527	1.00000	0.96s

6581	0.41097	0.40448	1.01605	1.00000	0.96s
6582	0.44046	0.38328	1.14918	1.00000	0.95s
6583	0.40085	0.39040	1.02678	1.00000	0.96s
6584	0.44539	0.38103	1.16891	1.00000	0.96s
6585	0.42880	0.45387	0.94476	0.96667	0.95s
6586	0.40943	0.39364	1.04010	1.00000	0.96s
6587	0.39838	0.40101	0.99345	1.00000	0.95s
6588	0.40868	0.38514	1.06111	1.00000	0.96s
6589	0.46877	0.40100	1.16900	1.00000	0.96s
6590	0.41316	0.40112	1.03002	1.00000	0.95s
6591	0.41308	0.39313	1.05074	1.00000	0.95s
6592	0.42669	0.39438	1.08193	1.00000	0.96s
6593	0.42020	0.38849	1.08160	1.00000	0.96s
6594	0.39115	0.46505	0.84111	0.96667	0.96s
6595	0.41700	0.38371	1.08678	1.00000	0.96s
6596	0.46962	0.39253	1.19640	1.00000	0.95s
6597	0.42598	0.39272	1.08469	1.00000	0.96s
6598	0.39617	0.38949	1.01717	1.00000	0.95s
6599	0.39971	0.38650	1.03417	1.00000	0.95s
6600	0.42942	0.37814	1.13561	1.00000	0.96s
6601	0.44503	0.39384	1.12998	1.00000	0.95s
6602	0.40600	0.38560	1.05290	1.00000	0.95s
6603	0.44653	0.39428	1.13252	1.00000	0.96s
6604	0.40802	0.38953	1.04747	1.00000	0.95s
6605	0.39977	0.38517	1.03790	1.00000	0.96s
6606	0.39745	0.38246	1.03920	1.00000	0.96s
6607	0.39243	0.43706	0.89790	0.96667	0.96s
6608	0.40553	0.39655	1.02264	1.00000	0.96s
6609	0.39898	0.39794	1.00261	1.00000	0.96s
6610	0.42062	0.41167	1.02175	1.00000	0.96s
6611	0.45181	0.38684	1.16795	1.00000	0.96s
6612	0.47449	0.38735	1.22495	1.00000	0.95s
6613	0.41714	0.38343	1.08792	1.00000	0.96s
6614	0.47772	0.40642	1.17543	1.00000	0.96s
6615	0.41240	0.38120	1.08185	1.00000	0.95s
6616	0.41181	0.38394	1.07258	1.00000	0.96s
6617	0.40399	0.38325	1.05411	1.00000	0.96s
6618	0.40874	0.38011	1.07531	1.00000	0.96s
6619	0.40683	0.38981	1.04364	1.00000	0.96s
6620	0.41202	0.38244	1.07737	1.00000	0.95s
6621	0.40766	0.38232	1.06630	1.00000	0.96s
6622	0.38770	0.39555	0.98016	1.00000	0.96s
6623	0.48012	0.39178	1.22549	1.00000	0.96s
6624	0.40668	0.37963	1.07126	1.00000	0.96s
6625	0.40766	0.37629	1.08338	1.00000	0.97s
6626	0.39381	0.38121	1.03305	1.00000	0.97s
6627	0.45811	0.38709	1.18346	1.00000	0.96s
6628	0.40829	0.51210	0.79729	0.93333	0.96s
6629	0.40309	0.38366	1.05065	1.00000	0.96s
6630	0.40980	0.39166	1.04631	1.00000	0.96s
6631	0.43422	0.40157	1.08130	1.00000	0.97s
6632	0.41318	0.37908	1.08996	1.00000	0.95s
6633	0.43160	0.38488	1.12140	1.00000	0.96s
6634	0.39793	0.41225	0.96526	1.00000	0.96s

6635	0.41156	0.38077	1.08085	1.00000	0.95s
6636	0.40460	0.38143	1.06075	1.00000	0.95s
6637	0.42877	0.37667	1.13833	1.00000	0.95s
6638	0.40983	0.44420	0.92261	0.96667	0.96s
6639	0.41121	0.38388	1.07117	1.00000	0.96s
6640	0.40478	0.38220	1.05908	1.00000	0.95s
6641	0.46756	0.38928	1.20108	1.00000	0.96s
6642	0.41467	0.37769	1.09791	1.00000	0.96s
6643	0.39281	0.38073	1.03172	1.00000	0.95s
6644	0.42480	0.37424	1.13508	1.00000	0.96s
6645	0.47155	0.51349	0.91832	0.96667	0.96s
6646	0.39132	0.38032	1.02893	1.00000	0.97s
6647	0.40015	0.40364	0.99134	0.96667	0.96s
6648	0.42587	0.38140	1.11661	1.00000	0.95s
6649	0.42300	0.39233	1.07815	1.00000	0.96s
6650	0.40381	0.38855	1.03926	1.00000	0.96s
6651	0.50880	0.38934	1.30683	1.00000	0.96s
6652	0.45198	0.37782	1.19627	1.00000	0.96s
6653	0.41623	0.38185	1.09003	1.00000	0.95s
6654	0.41492	0.38024	1.09121	1.00000	0.95s
6655	0.39060	0.38377	1.01781	1.00000	0.96s
6656	0.43319	0.39210	1.10481	1.00000	0.97s
6657	0.41482	0.39546	1.04895	1.00000	0.96s
6658	0.42686	0.46051	0.92693	0.96667	0.96s
6659	0.40407	0.38578	1.04742	1.00000	0.95s
6660	0.40657	0.39645	1.02554	1.00000	0.96s
6661	0.40853	0.38933	1.04933	1.00000	0.95s
6662	0.42712	0.37879	1.12758	1.00000	0.97s
6663	0.39211	0.41822	0.93757	0.96667	0.95s
6664	0.46156	0.38533	1.19784	1.00000	0.96s
6665	0.40382	0.38810	1.04050	1.00000	0.95s
6666	0.39545	0.39732	0.99530	1.00000	0.96s
6667	0.41849	0.42509	0.98447	1.00000	0.95s
6668	0.41931	0.40521	1.03482	0.96667	0.96s
6669	0.42108	0.37699	1.11693	1.00000	0.95s
6670	0.43811	0.62640	0.69941	0.96667	0.96s
6671	0.40766	0.38495	1.05899	1.00000	0.96s
6672	0.43499	0.38511	1.12953	1.00000	0.96s
6673	0.47080	0.47942	0.98202	0.93333	0.96s
6674	0.43456	0.38249	1.13614	1.00000	0.95s
6675	0.40434	0.38109	1.06099	1.00000	0.96s
6676	0.42087	0.43559	0.96619	1.00000	0.94s
6677	0.40155	0.40447	0.99280	1.00000	0.95s
6678	0.40343	0.39005	1.03431	1.00000	0.96s
6679	0.39879	0.56444	0.70651	0.90000	0.96s
6680	0.42515	0.39106	1.08716	1.00000	0.95s
6681	0.41837	0.42933	0.97447	1.00000	0.95s
6682	0.39986	0.38186	1.04712	1.00000	0.95s
6683	0.40171	0.42066	0.95496	0.96667	0.96s
6684	0.43218	0.41152	1.05020	1.00000	0.96s
6685	0.40697	0.38276	1.06326	1.00000	0.96s
6686	0.39152	0.44745	0.87502	0.96667	0.95s
6687	0.42614	0.38163	1.11662	1.00000	0.96s
6688	0.42369	0.39851	1.06318	1.00000	0.95s

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   6689       0.40071       0.37781       1.06061       1.00000  0.95s
   6690       0.39758       0.39242       1.01316       1.00000  0.95s
   6691       0.38914       0.43335       0.89799       0.96667  0.95s
   6692       0.39109       0.38069       1.02731       1.00000  0.95s
   6693       0.40428       0.39647       1.01969       1.00000  0.95s
   6694       0.40343       0.37824       1.06661       1.00000  0.97s
   6695       0.41361       0.37084       1.11535       1.00000  0.95s
   6696       0.38918       0.37772       1.03035       1.00000  0.96s
   6697       0.38849       0.48357       0.80337       0.93333  0.96s
   6698       0.44048       0.37422       1.17707       1.00000  0.96s
   6699       0.40266       0.38280       1.05187       1.00000  0.96s
   6700       0.42426       0.39509       1.07383       1.00000  0.95s
Regularization term: 0.364839971066
2016-07-26 23:27:39,611 - root - INFO - Duration of saving to disk: 0:00:20
2016-07-26 23:27:49,064 - root - INFO - Duration of validation: 0:00:09
   6701       0.40546       0.37448       1.08273       1.00000  0.98s
   6702       0.40143       0.39275       1.02210       1.00000  0.96s
   6703       0.42666       0.37521       1.13712       1.00000  0.96s
   6704       0.39808       0.37349       1.06584       1.00000  0.95s
   6705       0.39695       0.38889       1.02073       1.00000  0.95s
   6706       0.43086       0.43644       0.98722       0.96667  0.96s
   6707       0.40971       0.40210       1.01892       1.00000  0.95s
   6708       0.40405       0.38599       1.04677       1.00000  0.96s
   6709       0.40535       0.38185       1.06153       1.00000  0.97s
   6710       0.42593       0.37648       1.13136       1.00000  0.95s
   6711       0.39953       0.38173       1.04661       1.00000  0.95s
   6712       0.40858       0.38505       1.06109       1.00000  0.95s
   6713       0.39292       0.37088       1.05941       1.00000  0.95s
   6714       0.45569       0.37762       1.20674       1.00000  0.95s
   6715       0.39970       0.37686       1.06062       1.00000  0.95s
   6716       0.38835       0.41721       0.93082       0.96667  0.95s
   6717       0.40926       0.37724       1.08491       1.00000  0.96s
   6718       0.41616       0.37862       1.09916       1.00000  0.97s
   6719       0.43000       0.41923       1.02569       0.96667  0.95s
   6720       0.45214       0.46689       0.96842       0.96667  0.96s
   6721       0.44486       0.37635       1.18206       1.00000  0.97s
   6722       0.40023       0.38526       1.03887       1.00000  0.95s
   6723       0.38845       0.37219       1.04369       1.00000  0.95s
   6724       0.39025       0.38353       1.01752       1.00000  0.95s
   6725       0.46203       0.37595       1.22896       1.00000  0.95s
   6726       0.40229       0.38108       1.05566       1.00000  0.96s
   6727       0.40895       0.38672       1.05746       1.00000  0.96s
   6728       0.43965       0.37659       1.16747       1.00000  0.96s
   6729       0.39243       0.44254       0.88677       0.96667  0.96s
   6730       0.39888       0.38179       1.04476       1.00000  0.96s
   6731       0.42408       0.47626       0.89042       0.96667  0.95s
   6732       0.40256       0.37394       1.07654       1.00000  0.96s
   6733       0.39249       0.37027       1.05999       1.00000  0.96s
   6734       0.40898       0.57157       0.71554       0.96667  0.96s
   6735       0.38560       0.37509       1.02803       1.00000  0.96s
   6736       0.39177       0.37551       1.04330       1.00000  0.97s
   6737       0.41458       0.37719       1.09913       1.00000  0.95s
   6738       0.39722       0.38987       1.01886       1.00000  0.95s
   6739       0.39237       0.39079       1.00403       1.00000  0.95s
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6740	0.39130	0.37696	1.03804	1.00000	0.96s
6741	0.39212	0.37883	1.03508	1.00000	0.96s
6742	0.39694	0.37581	1.05623	1.00000	0.96s
6743	0.44490	0.37211	1.19564	1.00000	0.95s
6744	0.38376	0.37240	1.03050	1.00000	0.96s
6745	0.39661	0.36870	1.07569	1.00000	0.95s
6746	0.38901	0.38842	1.00152	1.00000	0.95s
6747	0.38787	0.37918	1.02292	1.00000	0.96s
6748	0.40379	0.37176	1.08616	1.00000	0.96s
6749	0.38812	0.36898	1.05189	1.00000	0.95s
6750	0.39644	0.40034	0.99024	1.00000	0.95s
6751	0.38511	0.36992	1.04108	1.00000	0.96s
6752	0.44255	0.42636	1.03797	0.96667	0.95s
6753	0.38542	0.41675	0.92484	0.96667	0.95s
6754	0.45065	0.39504	1.14079	1.00000	0.96s
6755	0.40726	0.37297	1.09193	1.00000	0.95s
6756	0.40818	0.37493	1.08868	1.00000	0.96s
6757	0.41769	0.38722	1.07868	1.00000	0.96s
6758	0.43145	0.37125	1.16214	1.00000	0.96s
6759	0.39070	0.37043	1.05473	1.00000	0.96s
6760	0.42867	0.45038	0.95179	0.96667	0.96s
6761	0.43105	0.38023	1.13367	1.00000	0.95s
6762	0.39632	0.37625	1.05334	1.00000	0.96s
6763	0.40360	0.37808	1.06749	1.00000	0.96s
6764	0.41833	0.37698	1.10969	1.00000	0.95s
6765	0.39136	0.40240	0.97258	1.00000	0.96s
6766	0.41627	0.38844	1.07163	1.00000	0.96s
6767	0.39446	0.39647	0.99491	1.00000	0.95s
6768	0.37961	0.50207	0.75609	0.96667	0.96s
6769	0.43757	0.37564	1.16485	1.00000	0.96s
6770	0.40409	0.38547	1.04830	1.00000	0.97s
6771	0.38958	0.36809	1.05840	1.00000	0.96s
6772	0.42855	0.37480	1.14339	1.00000	0.96s
6773	0.38952	0.37895	1.02790	1.00000	0.96s
6774	0.38834	0.39568	0.98146	1.00000	0.96s
6775	0.39822	0.37794	1.05365	1.00000	0.96s
6776	0.39607	0.36791	1.07653	1.00000	0.96s
6777	0.38476	0.37234	1.03337	1.00000	0.95s
6778	0.39102	0.39146	0.99886	1.00000	0.96s
6779	0.40423	0.37922	1.06594	1.00000	0.95s
6780	0.42278	0.38951	1.08541	1.00000	0.96s
6781	0.43309	0.37132	1.16634	1.00000	0.96s
6782	0.39336	0.38490	1.02199	1.00000	0.96s
6783	0.43252	0.37466	1.15444	1.00000	0.96s
6784	0.38605	0.36924	1.04551	1.00000	0.96s
6785	0.40250	0.38098	1.05650	1.00000	0.97s
6786	0.39691	0.37743	1.05162	1.00000	0.97s
6787	0.40297	0.38148	1.05634	1.00000	0.96s
6788	0.42308	0.37889	1.11662	1.00000	0.95s
6789	0.38088	0.39715	0.95903	1.00000	0.96s
6790	0.42271	0.37128	1.13851	1.00000	0.96s
6791	0.41745	0.39455	1.05803	1.00000	0.96s
6792	0.37777	0.39617	0.95354	1.00000	0.96s
6793	0.39707	0.36756	1.08030	1.00000	0.96s

6794	0.39357	0.37101	1.06082	1.00000	0.95s
6795	0.39331	0.39085	1.00628	1.00000	0.95s
6796	0.39407	0.38674	1.01895	1.00000	0.96s
6797	0.41710	0.38239	1.09077	1.00000	0.96s
6798	0.38065	0.42233	0.90133	0.96667	0.96s
6799	0.38211	0.50961	0.74981	0.96667	0.95s
6800	0.38443	0.37632	1.02154	1.00000	0.96s
6801	0.44107	0.36912	1.19493	1.00000	0.96s
6802	0.41941	0.38189	1.09825	1.00000	0.96s
6803	0.41865	0.41101	1.01857	1.00000	0.96s
6804	0.38887	0.38368	1.01353	1.00000	0.96s
6805	0.39064	0.37309	1.04702	1.00000	0.95s
6806	0.39552	0.39669	0.99706	1.00000	0.96s
6807	0.38263	0.37744	1.01373	1.00000	0.95s
6808	0.40650	0.37508	1.08378	1.00000	0.95s
6809	0.41944	0.36980	1.13425	1.00000	0.95s
6810	0.39559	0.36950	1.07061	1.00000	0.96s
6811	0.38352	0.38195	1.00411	1.00000	0.96s
6812	0.38431	0.36825	1.04360	1.00000	0.95s
6813	0.39832	0.36701	1.08532	1.00000	0.96s
6814	0.39972	0.36655	1.09051	1.00000	0.96s
6815	0.38568	0.37247	1.03547	1.00000	0.96s
6816	0.39804	0.38354	1.03779	1.00000	0.97s
6817	0.38275	0.36762	1.04115	1.00000	0.96s
6818	0.38929	0.37616	1.03488	1.00000	0.96s
6819	0.37647	0.37529	1.00315	1.00000	0.95s
6820	0.41343	0.41024	1.00776	0.96667	0.95s
6821	0.40552	0.36984	1.09647	1.00000	0.94s
6822	0.44434	0.37473	1.18576	1.00000	0.96s
6823	0.44180	0.37396	1.18141	1.00000	0.96s
6824	0.44834	0.43144	1.03918	0.96667	0.96s
6825	0.40746	0.37491	1.08683	1.00000	0.96s
6826	0.38062	0.37081	1.02646	1.00000	0.96s
6827	0.38640	0.36902	1.04709	1.00000	0.96s
6828	0.42653	0.37692	1.13163	1.00000	0.96s
6829	0.37978	0.39790	0.95446	1.00000	0.95s
6830	0.40866	0.37061	1.10267	1.00000	0.96s
6831	0.43507	0.54142	0.80359	0.93333	0.97s
6832	0.38620	0.50177	0.76967	0.96667	0.96s
6833	0.40734	0.38659	1.05366	1.00000	0.95s
6834	0.44807	0.37432	1.19704	1.00000	0.95s
6835	0.40336	0.37896	1.06439	1.00000	0.96s
6836	0.44909	0.43284	1.03754	1.00000	0.97s
6837	0.44015	0.43851	1.00374	0.96667	0.96s
6838	0.38322	0.38564	0.99372	1.00000	0.94s
6839	0.39090	0.42810	0.91310	0.96667	0.96s
6840	0.39995	0.39888	1.00270	1.00000	0.96s
6841	0.41374	0.38288	1.08060	1.00000	0.95s
6842	0.38962	0.36941	1.05471	1.00000	0.95s
6843	0.38839	0.41458	0.93681	0.96667	0.96s
6844	0.39705	0.38428	1.03324	1.00000	0.96s
6845	0.39830	0.37102	1.07354	1.00000	0.97s
6846	0.39514	0.36290	1.08882	1.00000	0.96s
6847	0.41503	0.37223	1.11499	1.00000	0.97s

6848	0.38649	0.44791	0.86287	0.96667	0.96s
6849	0.40844	0.36403	1.12200	1.00000	0.95s
6850	0.41717	0.36826	1.13280	1.00000	0.96s
6851	0.45491	0.36472	1.24728	1.00000	0.97s
6852	0.40113	0.37590	1.06710	1.00000	0.96s
6853	0.38788	0.36626	1.05903	1.00000	0.95s
6854	0.38056	0.39064	0.97419	1.00000	0.96s
6855	0.41134	0.38281	1.07453	1.00000	0.95s
6856	0.38596	0.38644	0.99877	1.00000	0.95s
6857	0.41381	0.55413	0.74677	0.96667	0.96s
6858	0.40861	0.37249	1.09697	1.00000	0.96s
6859	0.40318	0.36430	1.10672	1.00000	0.95s
6860	0.42074	0.40554	1.03748	0.96667	0.96s
6861	0.38000	0.38895	0.97698	1.00000	0.95s
6862	0.45197	0.36813	1.22776	1.00000	0.96s
6863	0.43922	0.39853	1.10210	1.00000	0.97s
6864	0.43342	0.38216	1.13415	1.00000	0.96s
6865	0.41527	0.36260	1.14523	1.00000	0.96s
6866	0.39525	0.51679	0.76482	0.96667	0.97s
6867	0.40258	0.48678	0.82704	0.96667	0.97s
6868	0.39000	0.39348	0.99117	1.00000	0.97s
6869	0.39623	0.36691	1.07991	1.00000	0.95s
6870	0.45922	0.39522	1.16194	0.96667	0.96s
6871	0.47131	0.38673	1.21870	1.00000	0.96s
6872	0.39554	0.43762	0.90385	0.96667	0.96s
6873	0.40102	0.40629	0.98703	0.96667	0.96s
6874	0.39471	0.36994	1.06695	1.00000	0.96s
6875	0.38507	0.37622	1.02353	1.00000	0.96s
6876	0.43888	0.36849	1.19102	1.00000	0.96s
6877	0.43314	0.38719	1.11867	1.00000	0.96s
6878	0.38616	0.36761	1.05046	1.00000	0.96s
6879	0.39322	0.42349	0.92852	0.96667	0.96s
6880	0.39672	0.37879	1.04733	1.00000	0.96s
6881	0.45686	0.36793	1.24169	1.00000	0.95s
6882	0.38783	0.39385	0.98470	1.00000	0.96s
6883	0.38951	0.36662	1.06242	1.00000	0.95s
6884	0.46918	0.37573	1.24872	1.00000	0.96s
6885	0.42380	0.36164	1.17188	1.00000	0.96s
6886	0.38208	0.36245	1.05414	1.00000	0.95s
6887	0.39559	0.36946	1.07071	1.00000	0.95s
6888	0.39897	0.36926	1.08046	1.00000	0.95s
6889	0.38737	0.38499	1.00619	1.00000	0.96s
6890	0.39164	0.36568	1.07100	1.00000	0.96s
6891	0.39337	0.45902	0.85698	0.96667	0.96s
6892	0.39080	0.36514	1.07027	1.00000	0.95s
6893	0.41106	0.57425	0.71582	0.96667	0.96s
6894	0.38681	0.36434	1.06165	1.00000	0.97s
6895	0.39154	0.48833	0.80180	0.93333	0.96s
6896	0.38156	0.37220	1.02514	1.00000	0.96s
6897	0.38033	0.53203	0.71486	0.93333	0.96s
6898	0.39189	0.37963	1.03230	1.00000	0.95s
6899	0.38131	0.51525	0.74004	0.96667	0.97s
6900	0.39052	0.37995	1.02783	1.00000	0.95s
6901	0.38110	0.36962	1.03106	1.00000	0.96s

6902	0.38262	0.37226	1.02783	1.00000	0.95s
6903	0.42062	0.43849	0.95924	0.96667	0.96s
6904	0.38460	0.37001	1.03942	1.00000	0.96s
6905	0.44570	0.36713	1.21403	1.00000	0.96s
6906	0.38281	0.37336	1.02529	1.00000	0.96s
6907	0.39271	0.36478	1.07656	1.00000	0.96s
6908	0.42173	0.38700	1.08975	1.00000	0.96s
6909	0.39899	0.37644	1.05990	1.00000	0.96s
6910	0.39681	0.36163	1.09731	1.00000	0.95s
6911	0.43497	0.39107	1.11225	1.00000	0.96s
6912	0.45918	0.37445	1.22627	1.00000	0.96s
6913	0.39571	0.37478	1.05586	1.00000	0.96s
6914	0.40112	0.39549	1.01425	1.00000	0.97s
6915	0.39721	0.38079	1.04313	1.00000	0.96s
6916	0.39799	0.36586	1.08783	1.00000	0.96s
6917	0.38740	0.37379	1.03641	1.00000	0.96s
6918	0.39032	0.36649	1.06501	1.00000	0.96s
6919	0.40064	0.39412	1.01654	0.96667	0.96s
6920	0.38545	0.39059	0.98682	1.00000	0.95s
6921	0.37608	0.36828	1.02118	1.00000	0.97s
6922	0.38610	0.45889	0.84139	0.96667	0.96s
6923	0.38562	0.38827	0.99317	1.00000	0.95s
6924	0.38558	0.36801	1.04775	1.00000	0.95s
6925	0.37950	0.45684	0.83072	0.93333	0.96s
6926	0.41468	0.37464	1.10689	1.00000	0.95s
6927	0.38425	0.36112	1.06405	1.00000	0.95s
6928	0.49070	0.37801	1.29811	1.00000	0.96s
6929	0.39163	0.42778	0.91550	0.96667	0.96s
6930	0.39380	0.48076	0.81912	0.96667	0.96s
6931	0.38349	0.37627	1.01919	1.00000	0.96s
6932	0.37710	0.36941	1.02081	1.00000	0.96s
6933	0.41617	0.37696	1.10400	1.00000	0.96s
6934	0.40464	0.38615	1.04790	1.00000	0.97s
6935	0.39108	0.36132	1.08237	1.00000	0.96s
6936	0.40231	0.37284	1.07905	1.00000	0.96s
6937	0.41327	0.36544	1.13086	1.00000	0.97s
6938	0.39737	0.43347	0.91673	0.96667	0.95s
6939	0.39268	0.36510	1.07555	1.00000	0.96s
6940	0.45666	0.36327	1.25710	1.00000	0.95s
6941	0.38262	0.36338	1.05294	1.00000	0.95s
6942	0.41820	0.36652	1.14099	1.00000	0.95s
6943	0.45438	0.40194	1.13047	0.96667	0.96s
6944	0.38893	0.36184	1.07489	1.00000	0.95s
6945	0.38711	0.37774	1.02481	1.00000	0.95s
6946	0.38500	0.37914	1.01545	1.00000	0.96s
6947	0.39890	0.37737	1.05706	1.00000	0.95s
6948	0.41443	0.39905	1.03853	1.00000	0.96s
6949	0.38133	0.37545	1.01566	1.00000	0.97s
6950	0.47010	0.36485	1.28847	1.00000	0.96s
6951	0.41554	0.41881	0.99218	0.96667	0.96s
6952	0.39053	0.36988	1.05581	1.00000	0.95s
6953	0.43920	0.38093	1.15296	1.00000	0.97s
6954	0.38040	0.36406	1.04488	1.00000	0.95s
6955	0.39439	0.36889	1.06913	1.00000	0.95s

6956	0.39845	0.44967	0.88609	0.96667	0.96s
6957	0.40969	0.36657	1.11762	1.00000	0.95s
6958	0.40368	0.37122	1.08745	1.00000	0.96s
6959	0.38440	0.36298	1.05902	1.00000	0.96s
6960	0.39093	0.40390	0.96787	1.00000	0.95s
6961	0.39531	0.36800	1.07420	1.00000	0.96s
6962	0.38525	0.37107	1.03821	1.00000	0.96s
6963	0.42792	0.36331	1.17784	1.00000	0.96s
6964	0.39066	0.36077	1.08284	1.00000	0.96s
6965	0.37423	0.36823	1.01630	1.00000	0.96s
6966	0.41889	0.36150	1.15875	1.00000	0.97s
6967	0.38864	0.36434	1.06668	1.00000	0.95s
6968	0.42990	0.35957	1.19560	1.00000	0.97s
6969	0.37870	0.36384	1.04085	1.00000	0.96s
6970	0.39269	0.35847	1.09547	1.00000	0.96s
6971	0.42960	0.35854	1.19821	1.00000	0.96s
6972	0.38620	0.35772	1.07961	1.00000	0.95s
6973	0.40134	0.39063	1.02741	1.00000	0.96s
6974	0.41490	0.36706	1.13034	1.00000	0.96s
6975	0.39078	0.36284	1.07700	1.00000	0.96s
6976	0.39094	0.35874	1.08975	1.00000	0.95s
6977	0.48120	0.36652	1.31290	1.00000	0.95s
6978	0.43668	0.40234	1.08537	1.00000	0.96s
6979	0.41955	0.37715	1.11244	1.00000	0.96s
6980	0.43055	0.35673	1.20693	1.00000	0.95s
6981	0.39290	0.36146	1.08696	1.00000	0.97s
6982	0.41410	0.35879	1.15414	1.00000	0.96s
6983	0.42126	0.38366	1.09801	1.00000	0.96s
6984	0.37709	0.37105	1.01628	1.00000	0.96s
6985	0.38531	0.36203	1.06430	1.00000	0.96s
6986	0.39034	0.36334	1.07432	1.00000	0.96s
6987	0.38334	0.35793	1.07099	1.00000	0.95s
6988	0.38048	0.36430	1.04440	1.00000	0.95s
6989	0.37854	0.38941	0.97209	0.96667	0.96s
6990	0.38205	0.52443	0.72850	0.96667	0.95s
6991	0.38147	0.37483	1.01769	1.00000	0.95s
6992	0.42443	0.38437	1.10422	1.00000	0.95s
6993	0.38932	0.39009	0.99802	1.00000	0.96s
6994	0.40108	0.38926	1.03035	1.00000	0.96s
6995	0.41736	0.35913	1.16213	1.00000	0.96s
6996	0.38925	0.36051	1.07972	1.00000	0.97s
6997	0.38351	0.35780	1.07185	1.00000	0.96s
6998	0.38403	0.37212	1.03201	1.00000	0.96s
6999	0.39260	0.43352	0.90561	0.96667	0.96s
7000	0.39706	0.36069	1.10086	1.00000	0.96s
7001	0.40371	0.37532	1.07564	1.00000	0.95s
7002	0.38097	0.35870	1.06207	1.00000	0.96s
7003	0.42784	0.36672	1.16666	1.00000	0.96s
7004	0.43824	0.45725	0.95842	0.96667	0.96s
7005	0.45837	0.36287	1.26317	1.00000	0.95s
7006	0.38288	0.36757	1.04163	1.00000	0.96s
7007	0.37948	0.36589	1.03715	1.00000	0.96s
7008	0.38201	0.35923	1.06342	1.00000	0.97s
7009	0.38895	0.36744	1.05856	1.00000	0.96s

7010	0.38205	0.36219	1.05483	1.00000	0.96s
7011	0.38108	0.37533	1.01534	1.00000	0.95s
7012	0.38888	0.36299	1.07131	1.00000	0.97s
7013	0.38371	0.36019	1.06529	1.00000	0.96s
7014	0.37289	0.51613	0.72247	0.93333	0.97s
7015	0.38686	0.36756	1.05251	1.00000	0.96s
7016	0.37496	0.46506	0.80626	0.96667	0.95s
7017	0.39351	0.37854	1.03953	1.00000	0.95s
7018	0.39843	0.38548	1.03360	1.00000	0.96s
7019	0.38636	0.38274	1.00946	1.00000	0.96s
7020	0.39378	0.36361	1.08300	1.00000	0.97s
7021	0.39671	0.37133	1.06836	1.00000	0.96s
7022	0.37857	0.40334	0.93858	0.96667	0.96s
7023	0.40143	0.36848	1.08942	1.00000	0.96s
7024	0.40594	0.37974	1.06898	1.00000	0.96s
7025	0.43323	0.39774	1.08924	1.00000	0.96s
7026	0.39424	0.36965	1.06651	1.00000	0.96s
7027	0.39058	0.37431	1.04348	1.00000	0.96s
7028	0.38970	0.36611	1.06444	1.00000	0.96s
7029	0.38588	0.46859	0.82349	0.96667	0.98s
7030	0.38183	0.38799	0.98412	1.00000	0.97s
7031	0.37920	0.37210	1.01909	1.00000	0.95s
7032	0.42173	0.38252	1.10251	1.00000	0.96s
7033	0.36668	0.37738	0.97166	1.00000	0.96s
7034	0.45042	0.37534	1.20003	1.00000	0.95s
7035	0.42106	0.41588	1.01244	1.00000	0.95s
7036	0.39020	0.35716	1.09249	1.00000	0.97s
7037	0.40704	0.36461	1.11638	1.00000	0.95s
7038	0.38306	0.36882	1.03860	1.00000	0.95s
7039	0.40596	0.39684	1.02299	0.96667	0.96s
7040	0.47042	0.36492	1.28911	1.00000	0.96s
7041	0.38930	0.36715	1.06033	1.00000	0.95s
7042	0.37403	0.36902	1.01358	1.00000	0.96s
7043	0.38801	0.36701	1.05724	1.00000	0.96s
7044	0.39941	0.35909	1.11230	1.00000	0.97s
7045	0.44002	0.42161	1.04367	0.96667	0.96s
7046	0.37819	0.42743	0.88480	0.96667	0.96s
7047	0.41936	0.42564	0.98525	0.96667	0.96s
7048	0.38004	0.36042	1.05442	1.00000	0.95s
7049	0.40038	0.37050	1.08065	1.00000	0.97s
7050	0.40378	0.38155	1.05826	1.00000	0.95s
7051	0.39377	0.36290	1.08505	1.00000	0.95s
7052	0.40301	0.35559	1.13336	1.00000	0.97s
7053	0.39661	0.37441	1.05929	1.00000	0.96s
7054	0.37896	0.45781	0.82776	0.96667	0.96s
7055	0.39420	0.36535	1.07895	1.00000	0.97s
7056	0.38120	0.37557	1.01500	1.00000	0.96s
7057	0.45220	0.37672	1.20036	1.00000	0.96s
7058	0.42857	0.35599	1.20390	1.00000	0.96s
7059	0.42873	0.37242	1.15121	1.00000	0.97s
7060	0.38653	0.37623	1.02738	1.00000	0.97s
7061	0.41703	0.35646	1.16993	1.00000	0.96s
7062	0.38419	0.35774	1.07394	1.00000	0.97s
7063	0.37994	0.35996	1.05549	1.00000	0.96s

7064	0.37355	0.39779	0.93904	0.96667	0.96s
7065	0.39215	0.40007	0.98021	0.96667	0.96s
7066	0.45148	0.36460	1.23828	1.00000	0.97s
7067	0.38726	0.37361	1.03656	1.00000	0.96s
7068	0.43163	0.37529	1.15010	1.00000	0.97s
7069	0.40389	0.36646	1.10214	1.00000	0.96s
7070	0.38420	0.36136	1.06323	1.00000	0.96s
7071	0.44265	0.40603	1.09018	1.00000	0.97s
7072	0.38025	0.36217	1.04992	1.00000	0.96s
7073	0.39383	0.38447	1.02435	1.00000	0.96s
7074	0.39066	0.37406	1.04440	1.00000	0.97s
7075	0.41612	0.37468	1.11060	1.00000	0.97s
7076	0.38624	0.36894	1.04691	1.00000	0.97s
7077	0.44136	0.49792	0.88641	0.96667	0.96s
7078	0.38291	0.45549	0.84067	1.00000	0.96s
7079	0.41360	0.36282	1.13994	1.00000	0.96s
7080	0.51050	0.37010	1.37935	1.00000	0.96s
7081	0.38182	0.38432	0.99349	1.00000	0.96s
7082	0.39792	0.37435	1.06297	1.00000	0.97s
7083	0.41079	0.52350	0.78469	0.96667	0.96s
7084	0.43289	0.49790	0.86944	0.96667	0.97s
7085	0.38083	0.37662	1.01118	1.00000	0.96s
7086	0.38486	0.35696	1.07817	1.00000	0.96s
7087	0.46590	0.40292	1.15632	0.96667	0.96s
7088	0.37226	0.40253	0.92479	0.96667	0.96s
7089	0.37146	0.35571	1.04427	1.00000	0.97s
7090	0.39271	0.37943	1.03500	1.00000	0.97s
7091	0.43480	0.36036	1.20656	1.00000	0.96s
7092	0.39974	0.36667	1.09019	1.00000	0.97s
7093	0.38794	0.35775	1.08437	1.00000	0.96s
7094	0.40533	0.37186	1.09001	1.00000	0.96s
7095	0.37141	0.36732	1.01113	1.00000	0.96s
7096	0.38488	0.37703	1.02083	1.00000	0.96s
7097	0.41705	0.36981	1.12773	1.00000	0.96s
7098	0.40088	0.36804	1.08924	1.00000	0.97s
7099	0.39108	0.36218	1.07980	1.00000	0.97s
7100	0.41706	0.40076	1.04068	1.00000	0.96s
7101	0.39883	0.35954	1.10928	1.00000	0.96s
7102	0.41123	0.36782	1.11802	1.00000	0.96s
7103	0.39477	0.36055	1.09489	1.00000	0.96s
7104	0.38442	0.38786	0.99115	1.00000	0.96s
7105	0.43968	0.36739	1.19674	1.00000	0.97s
7106	0.42131	0.36867	1.14278	1.00000	0.97s
7107	0.41119	0.36359	1.13090	1.00000	0.95s
7108	0.41565	0.36016	1.15408	1.00000	0.96s
7109	0.37067	0.42017	0.88219	1.00000	0.96s
7110	0.40442	0.39621	1.02074	1.00000	0.97s
7111	0.37494	0.39338	0.95312	1.00000	0.96s
7112	0.43704	0.37038	1.17998	1.00000	0.97s
7113	0.43694	0.37817	1.15540	1.00000	0.96s
7114	0.39308	0.37128	1.05870	1.00000	0.96s
7115	0.38491	0.36970	1.04114	1.00000	0.96s
7116	0.40213	0.36257	1.10910	1.00000	0.96s
7117	0.39799	0.40249	0.98883	1.00000	0.97s

7118	0.45547	0.60684	0.75056	0.93333	0.97s
7119	0.42794	0.40670	1.05224	1.00000	0.96s
7120	0.44016	0.40029	1.09961	0.96667	0.97s
7121	0.43256	0.42304	1.02249	0.96667	0.96s
7122	0.37810	0.37919	0.99714	1.00000	0.97s
7123	0.40719	0.36829	1.10563	1.00000	0.96s
7124	0.41957	0.50013	0.83893	0.93333	0.96s
7125	0.38602	0.37063	1.04153	1.00000	0.97s
7126	0.38008	0.38717	0.98168	0.96667	0.97s
7127	0.41956	0.48501	0.86505	0.96667	0.97s
7128	0.45929	0.36317	1.26466	1.00000	0.97s
7129	0.40572	0.36094	1.12406	1.00000	0.97s
7130	0.44242	0.39135	1.13051	1.00000	0.96s
7131	0.43081	0.40941	1.05228	0.96667	0.97s
7132	0.46018	0.35933	1.28066	1.00000	0.96s
7133	0.37778	0.36001	1.04936	1.00000	0.96s
7134	0.39395	0.35898	1.09744	1.00000	0.95s
7135	0.38391	0.36577	1.04960	1.00000	0.96s
7136	0.41520	0.39230	1.05838	1.00000	0.95s
7137	0.39390	0.35723	1.10267	1.00000	0.95s
7138	0.37900	0.37900	1.00000	1.00000	0.95s
7139	0.41301	0.36425	1.13387	1.00000	0.95s
7140	0.37876	0.36975	1.02436	1.00000	0.96s
7141	0.45010	0.38906	1.15690	0.96667	0.94s
7142	0.45990	0.37082	1.24020	1.00000	0.96s
7143	0.38339	0.52187	0.73465	0.96667	0.96s
7144	0.37189	0.36059	1.03134	1.00000	0.96s
7145	0.39894	0.36050	1.10662	1.00000	0.96s
7146	0.39205	0.46571	0.84182	0.96667	0.96s
7147	0.40430	0.41157	0.98233	0.96667	0.96s
7148	0.41618	0.37801	1.10100	1.00000	0.95s
7149	0.38122	0.40883	0.93246	0.96667	0.96s
7150	0.43990	0.40363	1.08988	0.96667	0.96s
7151	0.42973	0.36110	1.19004	1.00000	0.96s
7152	0.37797	0.38274	0.98752	1.00000	0.96s
7153	0.43524	0.36201	1.20229	1.00000	0.97s
7154	0.38573	0.43580	0.88510	0.96667	0.95s
7155	0.37918	0.35904	1.05607	1.00000	0.96s
7156	0.37892	0.39050	0.97036	1.00000	0.95s
7157	0.37437	0.35815	1.04531	1.00000	0.97s
7158	0.41551	0.38038	1.09235	1.00000	0.96s
7159	0.37383	0.38865	0.96186	1.00000	0.95s
7160	0.42199	0.40208	1.04954	0.96667	0.96s
7161	0.39542	0.36704	1.07734	1.00000	0.97s
7162	0.37998	0.36375	1.04462	1.00000	0.96s
7163	0.38241	0.43128	0.88668	0.96667	0.95s
7164	0.38894	0.36995	1.05132	1.00000	0.95s
7165	0.41984	0.35995	1.16637	1.00000	0.96s
7166	0.40462	0.35860	1.12834	1.00000	0.95s
7167	0.39986	0.35962	1.11189	1.00000	0.96s
7168	0.41720	0.36040	1.15763	1.00000	0.97s
7169	0.36953	0.40458	0.91335	1.00000	0.96s
7170	0.39660	0.37213	1.06575	1.00000	0.98s
7171	0.37911	0.47248	0.80237	0.96667	0.96s

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   7172       0.41472       0.36827       1.12613       1.00000  0.96s
   7173       0.45192       0.42684       1.05876       1.00000  0.96s
   7174       0.44228       0.36201       1.22175       1.00000  0.96s
   7175       0.41932       0.35675       1.17537       1.00000  0.96s
   7176       0.42012       0.36421       1.15351       1.00000  0.96s
   7177       0.40089       0.35915       1.11622       1.00000  0.96s
   7178       0.38983       0.35971       1.08372       1.00000  0.96s
   7179       0.41027       0.42476       0.96590       0.96667  0.96s
   7180       0.37884       0.36408       1.04055       1.00000  0.96s
   7181       0.39584       0.38346       1.03229       1.00000  0.95s
   7182       0.38098       0.36739       1.03699       1.00000  0.96s
   7183       0.39868       0.41285       0.96568       1.00000  0.96s
   7184       0.37710       0.36108       1.04437       1.00000  0.95s
   7185       0.40389       0.36470       1.10747       1.00000  0.95s
   7186       0.40526       0.43781       0.92567       0.96667  0.96s
   7187       0.50037       0.38530       1.29864       1.00000  0.96s
   7188       0.37683       0.36332       1.03717       1.00000  0.96s
   7189       0.40872       0.36149       1.13065       1.00000  0.96s
   7190       0.38111       0.45332       0.84070       0.96667  0.96s
   7191       0.44967       0.36016       1.24851       1.00000  0.96s
   7192       0.37251       0.36507       1.02036       1.00000  0.96s
   7193       0.39337       0.36050       1.09118       1.00000  0.96s
   7194       0.37206       0.38048       0.97787       1.00000  0.96s
   7195       0.37247       0.35960       1.03580       1.00000  0.97s
   7196       0.39135       0.38889       1.00633       1.00000  0.95s
   7197       0.40948       0.36673       1.11659       1.00000  0.96s
   7198       0.38019       0.35730       1.06407       1.00000  0.96s
   7199       0.37175       0.40058       0.92801       1.00000  0.96s
   7200       0.39176       0.36132       1.08424       1.00000  0.97s
Regularization term: 0.349159836769
2016-07-26 23:36:12,981 - root - INFO - Duration of saving to disk: 0:00:17
2016-07-26 23:36:22,875 - root - INFO - Duration of validation: 0:00:09
   7201       0.37906       0.39473       0.96030       0.96667  0.98s
   7202       0.38069       0.35703       1.06629       1.00000  0.97s
   7203       0.40373       0.36205       1.11512       1.00000  0.96s
   7204       0.40347       0.36780       1.09698       1.00000  0.96s
   7205       0.39037       0.36825       1.06008       1.00000  0.97s
   7206       0.37915       0.39148       0.96851       1.00000  0.96s
   7207       0.40436       0.39193       1.03172       1.00000  0.96s
   7208       0.40314       0.36247       1.11220       1.00000  0.97s
   7209       0.38639       0.35900       1.07627       1.00000  0.97s
   7210       0.38190       0.36190       1.05526       1.00000  0.95s
   7211       0.40817       0.35788       1.14051       1.00000  0.96s
   7212       0.39320       0.59072       0.66562       0.93333  0.97s
   7213       0.41008       0.36015       1.13862       1.00000  0.96s
   7214       0.39005       0.36791       1.06018       1.00000  0.96s
   7215       0.40688       0.37486       1.08542       1.00000  0.96s
   7216       0.39299       0.35954       1.09302       1.00000  0.96s
   7217       0.39811       0.43683       0.91136       0.96667  0.97s
   7218       0.42971       0.37614       1.14242       1.00000  0.96s
   7219       0.40270       0.37565       1.07201       1.00000  0.96s
   7220       0.44873       0.36055       1.24459       1.00000  0.96s
   7221       0.50611       0.38300       1.32145       1.00000  0.96s
   7222       0.44465       0.43906       1.01273       0.96667  0.96s
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7223	0.37962	0.38388	0.98889	1.00000	0.96s
7224	0.37078	0.40732	0.91029	0.96667	0.97s
7225	0.37812	0.39881	0.94811	1.00000	0.96s
7226	0.38363	0.39453	0.97238	0.96667	0.96s
7227	0.37652	0.47108	0.79927	0.96667	0.96s
7228	0.39446	0.35987	1.09613	1.00000	0.96s
7229	0.38612	0.50651	0.76232	0.96667	0.96s
7230	0.42664	0.42135	1.01255	0.96667	0.96s
7231	0.38819	0.36357	1.06773	1.00000	0.95s
7232	0.39334	0.39508	0.99560	0.96667	0.95s
7233	0.38446	0.45988	0.83599	0.96667	0.96s
7234	0.41558	0.40596	1.02367	0.96667	0.95s
7235	0.37924	0.39037	0.97147	1.00000	0.96s
7236	0.39310	0.38407	1.02350	1.00000	0.96s
7237	0.37496	0.36037	1.04048	1.00000	0.96s
7238	0.37566	0.39380	0.95394	0.96667	0.96s
7239	0.36876	0.39198	0.94075	1.00000	0.96s
7240	0.39167	0.36740	1.06606	1.00000	0.97s
7241	0.38505	0.36242	1.06244	1.00000	0.97s
7242	0.37764	0.38199	0.98862	1.00000	0.96s
7243	0.37893	0.36522	1.03755	1.00000	0.97s
7244	0.41149	0.36400	1.13049	1.00000	0.96s
7245	0.38339	0.35455	1.08134	1.00000	0.95s
7246	0.40286	0.36503	1.10362	1.00000	0.96s
7247	0.40826	0.36272	1.12556	1.00000	0.96s
7248	0.38391	0.35772	1.07323	1.00000	0.96s
7249	0.40719	0.35763	1.13860	1.00000	0.96s
7250	0.37999	0.38551	0.98567	1.00000	0.96s
7251	0.43221	0.43431	0.99517	0.93333	0.96s
7252	0.40796	0.36245	1.12557	1.00000	0.96s
7253	0.39459	0.43170	0.91403	0.96667	0.96s
7254	0.38682	0.36143	1.07026	1.00000	0.96s
7255	0.39653	0.37161	1.06705	1.00000	0.97s
7256	0.38190	0.36826	1.03703	1.00000	0.96s
7257	0.39188	0.38281	1.02367	1.00000	0.96s
7258	0.43437	0.36708	1.18331	1.00000	0.96s
7259	0.41484	0.36018	1.15175	1.00000	0.96s
7260	0.39005	0.36095	1.08065	1.00000	0.96s
7261	0.37872	0.37712	1.00422	1.00000	0.96s
7262	0.38914	0.36097	1.07803	1.00000	0.96s
7263	0.39952	0.38199	1.04590	1.00000	0.95s
7264	0.40450	0.37912	1.06695	1.00000	0.96s
7265	0.41488	0.37519	1.10577	1.00000	0.96s
7266	0.39200	0.38152	1.02745	1.00000	0.96s
7267	0.39629	0.41846	0.94700	0.96667	0.97s
7268	0.37349	0.36402	1.02601	1.00000	0.96s
7269	0.41947	0.36560	1.14735	1.00000	0.96s
7270	0.39569	0.36140	1.09487	1.00000	0.97s
7271	0.37997	0.38122	0.99672	1.00000	0.96s
7272	0.40652	0.36226	1.12219	1.00000	0.97s
7273	0.42748	0.35788	1.19448	1.00000	0.96s
7274	0.38142	0.40787	0.93514	0.96667	0.96s
7275	0.39036	0.36907	1.05769	1.00000	0.95s
7276	0.39054	0.36378	1.07356	1.00000	0.95s

7277	0.37600	0.37000	1.01621	1.00000	0.97s
7278	0.37236	0.37153	1.00223	1.00000	0.96s
7279	0.37723	0.36226	1.04134	1.00000	0.95s
7280	0.38286	0.36246	1.05631	1.00000	0.96s
7281	0.39489	0.36964	1.06830	1.00000	0.96s
7282	0.36909	0.40587	0.90940	0.96667	0.95s
7283	0.42592	0.36660	1.16183	1.00000	0.96s
7284	0.38894	0.36575	1.06342	1.00000	0.96s
7285	0.41691	0.35435	1.17656	1.00000	0.96s
7286	0.41238	0.35824	1.15114	1.00000	0.96s
7287	0.39159	0.37635	1.04051	1.00000	0.95s
7288	0.39918	0.37621	1.06106	1.00000	0.96s
7289	0.47140	0.36933	1.27637	1.00000	0.96s
7290	0.41076	0.39135	1.04959	1.00000	0.96s
7291	0.40681	0.35815	1.13586	1.00000	0.95s
7292	0.40511	0.36230	1.11814	1.00000	0.96s
7293	0.36907	0.36225	1.01881	1.00000	0.96s
7294	0.41570	0.36818	1.12906	1.00000	0.96s
7295	0.39896	0.35564	1.12180	1.00000	0.97s
7296	0.39750	0.36293	1.09523	1.00000	0.97s
7297	0.40016	0.35964	1.11265	1.00000	0.96s
7298	0.38255	0.37487	1.02047	1.00000	0.97s
7299	0.39821	0.36029	1.10526	1.00000	0.96s
7300	0.45858	0.53761	0.85300	0.96667	0.96s
7301	0.39754	0.35888	1.10774	1.00000	0.96s
7302	0.39718	0.41919	0.94748	1.00000	0.96s
7303	0.39079	0.36121	1.08189	1.00000	0.96s
7304	0.39230	0.37465	1.04710	1.00000	0.96s
7305	0.39781	0.37112	1.07192	1.00000	0.97s
7306	0.38138	0.35945	1.06099	1.00000	0.96s
7307	0.37344	0.36374	1.02667	1.00000	0.96s
7308	0.37592	0.37095	1.01341	1.00000	0.96s
7309	0.37502	0.36041	1.04052	1.00000	0.96s
7310	0.39793	0.37873	1.05068	1.00000	0.95s
7311	0.40365	0.36443	1.10762	1.00000	0.96s
7312	0.40612	0.36450	1.11419	1.00000	0.96s
7313	0.38397	0.45427	0.84525	1.00000	0.96s
7314	0.38494	0.51668	0.74501	0.93333	0.96s
7315	0.37769	0.38548	0.97979	1.00000	0.96s
7316	0.44328	0.39427	1.12431	1.00000	0.95s
7317	0.42070	0.36360	1.15705	1.00000	0.95s
7318	0.37484	0.43251	0.86667	0.96667	0.95s
7319	0.44726	0.37723	1.18564	1.00000	0.96s
7320	0.39590	0.38979	1.01569	1.00000	0.95s
7321	0.38369	0.47785	0.80296	0.96667	0.95s
7322	0.41080	0.35985	1.14160	1.00000	0.96s
7323	0.41114	0.38130	1.07825	1.00000	0.96s
7324	0.39200	0.46840	0.83689	0.96667	0.96s
7325	0.43147	0.37715	1.14404	1.00000	0.95s
7326	0.39170	0.36021	1.08741	1.00000	0.96s
7327	0.40487	0.36682	1.10373	1.00000	0.97s
7328	0.38706	0.39410	0.98213	1.00000	0.96s
7329	0.41935	0.36950	1.13490	1.00000	0.96s
7330	0.41402	0.38083	1.08714	1.00000	0.96s

7331	0.37674	0.39005	0.96588	1.00000	0.96s
7332	0.40377	0.36646	1.10181	1.00000	0.96s
7333	0.40043	0.46986	0.85223	0.96667	0.96s
7334	0.41756	0.36607	1.14065	1.00000	0.96s
7335	0.39007	0.39071	0.99836	1.00000	0.96s
7336	0.38579	0.37022	1.04205	1.00000	0.97s
7337	0.39899	0.36341	1.09792	1.00000	0.97s
7338	0.45752	0.36319	1.25971	1.00000	0.96s
7339	0.39433	0.43415	0.90827	0.96667	0.96s
7340	0.37337	0.36420	1.02515	1.00000	0.96s
7341	0.37841	0.37465	1.01004	1.00000	0.96s
7342	0.44581	0.37468	1.18985	1.00000	0.96s
7343	0.41631	0.35686	1.16660	1.00000	0.96s
7344	0.39711	0.42943	0.92475	0.96667	0.96s
7345	0.45298	0.35885	1.26229	1.00000	0.96s
7346	0.42727	0.40513	1.05466	1.00000	0.96s
7347	0.38977	0.51877	0.75134	0.96667	0.96s
7348	0.41138	0.35444	1.16066	1.00000	0.97s
7349	0.40046	0.42337	0.94588	0.96667	0.97s
7350	0.39830	0.47182	0.84416	0.93333	0.96s
7351	0.41559	0.54688	0.75993	0.96667	0.96s
7352	0.37879	0.35456	1.06836	1.00000	0.95s
7353	0.38118	0.35466	1.07478	1.00000	0.95s
7354	0.44547	0.35453	1.25650	1.00000	0.96s
7355	0.36764	0.35741	1.02863	1.00000	0.96s
7356	0.37376	0.36923	1.01227	1.00000	0.97s
7357	0.38224	0.40863	0.93542	0.96667	0.96s
7358	0.41839	0.36487	1.14667	1.00000	0.96s
7359	0.40106	0.36046	1.11265	1.00000	0.96s
7360	0.41181	0.36191	1.13788	1.00000	0.96s
7361	0.43203	0.36434	1.18580	1.00000	0.96s
7362	0.37076	0.39338	0.94248	0.96667	0.96s
7363	0.46700	0.42433	1.10055	0.96667	0.95s
7364	0.38228	0.36309	1.05286	1.00000	0.96s
7365	0.39355	0.36576	1.07600	1.00000	0.96s
7366	0.38900	0.40503	0.96043	1.00000	0.97s
7367	0.47516	0.38537	1.23300	1.00000	0.97s
7368	0.41442	0.41484	0.99899	0.96667	0.95s
7369	0.53829	0.36541	1.47310	1.00000	0.95s
7370	0.38774	0.36804	1.05355	1.00000	0.96s
7371	0.40241	0.35632	1.12936	1.00000	0.96s
7372	0.38288	0.40885	0.93648	0.96667	0.96s
7373	0.38508	0.36996	1.04087	1.00000	0.96s
7374	0.44161	0.40102	1.10123	1.00000	0.96s
7375	0.39470	0.36633	1.07744	1.00000	0.96s
7376	0.37574	0.37104	1.01267	1.00000	0.96s
7377	0.41516	0.36020	1.15258	1.00000	0.96s
7378	0.40398	0.38838	1.04015	1.00000	0.96s
7379	0.39173	0.36617	1.06980	1.00000	0.96s
7380	0.44832	0.36302	1.23498	1.00000	0.96s
7381	0.41418	0.39023	1.06139	1.00000	0.95s
7382	0.40839	0.35936	1.13642	1.00000	0.96s
7383	0.37986	0.52575	0.72251	0.96667	0.96s
7384	0.41257	0.36566	1.12826	1.00000	0.96s

7385	0.37999	0.42460	0.89494	0.96667	0.97s
7386	0.40414	0.37593	1.07506	1.00000	0.96s
7387	0.38196	0.40798	0.93620	0.96667	0.96s
7388	0.38405	0.39410	0.97449	1.00000	0.96s
7389	0.42349	0.36948	1.14617	1.00000	0.96s
7390	0.38559	0.35973	1.07190	1.00000	0.96s
7391	0.46029	0.38207	1.20472	1.00000	0.96s
7392	0.39493	0.44052	0.89650	0.96667	0.95s
7393	0.40218	0.35918	1.11971	1.00000	0.95s
7394	0.43226	0.36320	1.19014	1.00000	0.96s
7395	0.37711	0.37797	0.99771	1.00000	0.96s
7396	0.39039	0.42086	0.92761	0.96667	0.96s
7397	0.38466	0.36155	1.06391	1.00000	0.97s
7398	0.40548	0.39910	1.01599	1.00000	0.97s
7399	0.38726	0.37576	1.03062	1.00000	0.96s
7400	0.38958	0.35659	1.09250	1.00000	0.96s
7401	0.38087	0.38087	1.00001	1.00000	0.96s
7402	0.38883	0.36337	1.07006	1.00000	0.96s
7403	0.38616	0.36670	1.05308	1.00000	0.95s
7404	0.41621	0.36857	1.12928	1.00000	0.96s
7405	0.37085	0.37627	0.98561	1.00000	0.95s
7406	0.41073	0.40464	1.01505	0.96667	0.96s
7407	0.41046	0.36178	1.13454	1.00000	0.96s
7408	0.44796	0.37584	1.19189	1.00000	0.96s
7409	0.37954	0.43934	0.86387	0.96667	0.95s
7410	0.41422	0.36399	1.13800	1.00000	0.97s
7411	0.39846	0.35748	1.11464	1.00000	0.96s
7412	0.41932	0.36014	1.16434	1.00000	0.96s
7413	0.39604	0.36073	1.09788	1.00000	0.96s
7414	0.38325	0.37155	1.03149	1.00000	0.96s
7415	0.42033	0.37139	1.13177	1.00000	0.96s
7416	0.40437	0.37768	1.07066	1.00000	0.96s
7417	0.39291	0.35862	1.09563	1.00000	0.97s
7418	0.37935	0.43411	0.87385	0.96667	0.96s
7419	0.37676	0.35870	1.05036	1.00000	0.96s
7420	0.44025	0.38035	1.15749	1.00000	0.95s
7421	0.40010	0.45440	0.88050	0.96667	0.96s
7422	0.40572	0.39726	1.02128	1.00000	0.96s
7423	0.42423	0.35342	1.20035	1.00000	0.96s
7424	0.37468	0.50827	0.73717	0.96667	0.96s
7425	0.42476	0.36358	1.16828	1.00000	0.96s
7426	0.40193	0.36328	1.10638	1.00000	0.96s
7427	0.38048	0.38287	0.99375	1.00000	0.95s
7428	0.39960	0.35809	1.11593	1.00000	0.96s
7429	0.45391	0.35513	1.27815	1.00000	0.97s
7430	0.40293	0.36331	1.10905	1.00000	0.95s
7431	0.37465	0.36509	1.02619	1.00000	0.97s
7432	0.37605	0.39928	0.94182	1.00000	0.96s
7433	0.37074	0.37831	0.97999	1.00000	0.96s
7434	0.48596	0.36554	1.32942	1.00000	0.96s
7435	0.37990	0.43321	0.87694	0.96667	0.96s
7436	0.41956	0.36814	1.13968	1.00000	0.96s
7437	0.46070	0.36734	1.25414	1.00000	0.95s
7438	0.36574	0.44193	0.82760	0.93333	0.96s

7439	0.46523	0.35691	1.30351	1.00000	0.95s
7440	0.42549	0.36697	1.15947	1.00000	0.96s
7441	0.39435	0.36468	1.08136	1.00000	0.96s
7442	0.44871	0.35874	1.25078	1.00000	0.95s
7443	0.38984	0.39881	0.97752	0.96667	0.95s
7444	0.38551	0.36765	1.04859	1.00000	0.96s
7445	0.37253	0.40285	0.92472	0.96667	0.96s
7446	0.39511	0.38388	1.02925	1.00000	0.95s
7447	0.38423	0.35743	1.07500	1.00000	0.96s
7448	0.39931	0.36517	1.09347	1.00000	0.96s
7449	0.37745	0.40621	0.92921	0.96667	0.96s
7450	0.43094	0.38438	1.12114	1.00000	0.96s
7451	0.41960	0.37543	1.11765	1.00000	0.96s
7452	0.40245	0.40601	0.99123	1.00000	0.96s
7453	0.38007	0.39387	0.96497	1.00000	0.95s
7454	0.41064	0.37169	1.10480	1.00000	0.95s
7455	0.38311	0.37815	1.01311	1.00000	0.97s
7456	0.41271	0.50475	0.81764	0.96667	0.95s
7457	0.39790	0.49046	0.81128	0.96667	0.96s
7458	0.36763	0.39399	0.93310	1.00000	0.96s
7459	0.39790	0.37725	1.05474	1.00000	0.97s
7460	0.43500	0.35765	1.21628	1.00000	0.96s
7461	0.38338	0.51889	0.73885	0.96667	0.96s
7462	0.40729	0.37794	1.07765	1.00000	0.96s
7463	0.38960	0.39007	0.99879	1.00000	0.95s
7464	0.40922	0.37555	1.08964	1.00000	0.96s
7465	0.42577	0.35874	1.18687	1.00000	0.95s
7466	0.39220	0.37891	1.03506	1.00000	0.96s
7467	0.39268	0.39824	0.98603	0.96667	0.96s
7468	0.39152	0.35951	1.08905	1.00000	0.96s
7469	0.42809	0.35925	1.19164	1.00000	0.96s
7470	0.41568	0.35868	1.15894	1.00000	0.95s
7471	0.42527	0.38982	1.09093	1.00000	0.96s
7472	0.40053	0.43272	0.92562	0.96667	0.96s
7473	0.51581	0.38832	1.32831	1.00000	0.97s
7474	0.49527	0.36218	1.36747	1.00000	0.97s
7475	0.38002	0.36324	1.04619	1.00000	0.96s
7476	0.37780	0.37973	0.99494	1.00000	0.95s
7477	0.42884	0.36740	1.16722	1.00000	0.96s
7478	0.41953	0.39586	1.05979	1.00000	0.95s
7479	0.41616	0.36956	1.12610	1.00000	0.96s
7480	0.40056	0.43479	0.92128	0.96667	0.96s
7481	0.39255	0.35383	1.10943	1.00000	0.97s
7482	0.44796	0.40887	1.09559	0.96667	0.95s
7483	0.46073	0.35997	1.27991	1.00000	0.96s
7484	0.40621	0.35443	1.14610	1.00000	0.96s
7485	0.42420	0.36605	1.15886	1.00000	0.96s
7486	0.40980	0.38401	1.06715	1.00000	0.96s
7487	0.37633	0.35992	1.04559	1.00000	0.96s
7488	0.37223	0.35429	1.05062	1.00000	0.96s
7489	0.41414	0.35612	1.16293	1.00000	0.97s
7490	0.41995	0.37561	1.11804	1.00000	0.96s
7491	0.37852	0.40399	0.93695	0.96667	0.96s
7492	0.39237	0.58663	0.66886	0.93333	0.95s

7493	0.39478	0.40322	0.97908	0.96667	0.95s
7494	0.45006	0.40229	1.11874	0.96667	0.95s
7495	0.37735	0.43334	0.87078	0.96667	0.96s
7496	0.36942	0.38576	0.95764	1.00000	0.95s
7497	0.38487	0.40969	0.93942	0.96667	0.96s
7498	0.37460	0.41744	0.89737	0.96667	0.96s
7499	0.41169	0.38059	1.08172	1.00000	0.95s
7500	0.41617	0.39071	1.06516	0.96667	0.95s
7501	0.40568	0.45134	0.89883	0.96667	0.96s
7502	0.40861	0.36325	1.12487	1.00000	0.96s
7503	0.39337	0.36748	1.07044	1.00000	0.95s
7504	0.37835	0.36055	1.04935	1.00000	0.97s
7505	0.38422	0.36312	1.05813	1.00000	0.96s
7506	0.46572	0.36382	1.28006	1.00000	0.96s
7507	0.38897	0.47395	0.82069	0.96667	0.96s
7508	0.38713	0.36441	1.06236	1.00000	0.96s
7509	0.42408	0.36885	1.14971	1.00000	0.97s
7510	0.38859	0.36088	1.07680	1.00000	0.95s
7511	0.39884	0.36149	1.10333	1.00000	0.96s
7512	0.40530	0.36192	1.11985	1.00000	0.96s
7513	0.40569	0.38845	1.04437	1.00000	0.96s
7514	0.37645	0.40631	0.92650	0.96667	0.96s
7515	0.39267	0.36308	1.08151	1.00000	0.96s
7516	0.40783	0.40645	1.00339	0.96667	0.96s
7517	0.41075	0.36836	1.11508	1.00000	0.96s
7518	0.41862	0.36191	1.15669	1.00000	0.95s
7519	0.40224	0.36561	1.10019	1.00000	0.96s
7520	0.43378	0.36000	1.20493	1.00000	0.96s
7521	0.40752	0.43661	0.93338	0.96667	0.96s
7522	0.41952	0.38206	1.09807	1.00000	0.96s
7523	0.42065	0.38602	1.08970	1.00000	0.96s
7524	0.36983	0.36035	1.02631	1.00000	0.96s
7525	0.38932	0.35434	1.09872	1.00000	0.96s
7526	0.40078	0.37423	1.07094	1.00000	0.96s
7527	0.44605	0.40759	1.09435	1.00000	0.96s
7528	0.39918	0.38020	1.04992	1.00000	0.96s
7529	0.37860	0.58754	0.64438	0.96667	0.95s
7530	0.40016	0.36065	1.10954	1.00000	0.96s
7531	0.37441	0.44748	0.83670	0.96667	0.96s
7532	0.37894	0.36460	1.03932	1.00000	0.96s
7533	0.39781	0.37293	1.06672	1.00000	0.97s
7534	0.39651	0.37941	1.04505	1.00000	0.96s
7535	0.40796	0.36996	1.10273	1.00000	0.96s
7536	0.37945	0.42049	0.90240	0.96667	0.96s
7537	0.38855	0.38345	1.01332	1.00000	0.96s
7538	0.38910	0.36243	1.07359	1.00000	0.95s
7539	0.40081	0.37300	1.07455	1.00000	0.95s
7540	0.40780	0.36355	1.12172	1.00000	0.96s
7541	0.39088	0.36928	1.05850	1.00000	0.96s
7542	0.38919	0.37209	1.04596	1.00000	0.97s
7543	0.42206	0.37985	1.11114	1.00000	0.95s
7544	0.44712	0.39479	1.13257	1.00000	0.96s
7545	0.40012	0.35769	1.11861	1.00000	0.97s
7546	0.40168	0.36936	1.08753	1.00000	0.97s

7547	0.39930	0.36623	1.09031	1.00000	0.96s
7548	0.43632	0.37591	1.16069	1.00000	0.97s
7549	0.39644	0.35669	1.11144	1.00000	0.96s
7550	0.38547	0.36044	1.06943	1.00000	0.96s
7551	0.39173	0.39269	0.99755	1.00000	0.96s
7552	0.38047	0.35952	1.05829	1.00000	0.95s
7553	0.37194	0.37022	1.00463	1.00000	0.96s
7554	0.38101	0.36331	1.04871	1.00000	0.96s
7555	0.39741	0.36329	1.09393	1.00000	0.95s
7556	0.38089	0.36060	1.05627	1.00000	0.96s
7557	0.41119	0.35860	1.14664	1.00000	0.96s
7558	0.38313	0.36801	1.04109	1.00000	0.95s
7559	0.39030	0.37068	1.05294	1.00000	0.96s
7560	0.42365	0.35913	1.17965	1.00000	0.96s
7561	0.39471	0.46930	0.84106	0.96667	0.96s
7562	0.38537	0.42420	0.90847	1.00000	0.96s
7563	0.38417	0.36747	1.04543	1.00000	0.96s
7564	0.40620	0.36631	1.10890	1.00000	0.96s
7565	0.41337	0.36006	1.14807	1.00000	0.96s
7566	0.40922	0.36102	1.13354	1.00000	0.96s
7567	0.42288	0.36303	1.16487	1.00000	0.96s
7568	0.40176	0.36165	1.11090	1.00000	0.96s
7569	0.40363	0.36149	1.11656	1.00000	0.96s
7570	0.44513	0.40250	1.10591	0.96667	0.95s
7571	0.37156	0.36069	1.03014	1.00000	0.96s
7572	0.37739	0.42356	0.89100	1.00000	0.96s
7573	0.38968	0.38127	1.02204	1.00000	0.96s
7574	0.41086	0.52383	0.78434	0.96667	0.97s
7575	0.38662	0.37003	1.04482	1.00000	0.96s
7576	0.38614	0.54685	0.70612	0.93333	0.96s
7577	0.38070	0.36723	1.03668	1.00000	0.97s
7578	0.40052	0.41451	0.96626	0.96667	0.96s
7579	0.38545	0.37231	1.03531	1.00000	0.95s
7580	0.44706	0.37242	1.20040	1.00000	0.96s
7581	0.39574	0.37013	1.06920	1.00000	0.96s
7582	0.40071	0.55614	0.72051	0.96667	0.96s
7583	0.40192	0.37774	1.06399	1.00000	0.95s
7584	0.39327	0.38922	1.01039	1.00000	0.96s
7585	0.38923	0.35922	1.08356	1.00000	0.96s
7586	0.41119	0.35826	1.14773	1.00000	0.95s
7587	0.41794	0.36688	1.13918	1.00000	0.96s
7588	0.38876	0.37885	1.02617	1.00000	0.96s
7589	0.40257	0.37009	1.08776	1.00000	0.96s
7590	0.43805	0.35825	1.22274	1.00000	0.96s
7591	0.43411	0.39571	1.09702	1.00000	0.96s
7592	0.37939	0.41801	0.90760	0.96667	0.95s
7593	0.41533	0.36094	1.15069	1.00000	0.96s
7594	0.42614	0.38869	1.09635	1.00000	0.96s
7595	0.38095	0.37688	1.01081	1.00000	0.96s
7596	0.38032	0.36601	1.03911	1.00000	0.96s
7597	0.40821	0.35768	1.14128	1.00000	0.96s
7598	0.40935	0.40114	1.02046	1.00000	0.96s
7599	0.43238	0.36572	1.18227	1.00000	0.96s
7600	0.38692	0.41490	0.93256	1.00000	0.96s

7601	0.39344	0.54473	0.72225	0.93333	0.95s
7602	0.40660	0.41993	0.96826	0.96667	0.96s
7603	0.40166	0.35825	1.12116	1.00000	0.97s
7604	0.38221	0.39307	0.97239	0.96667	0.96s
7605	0.39416	0.38507	1.02359	1.00000	0.96s
7606	0.41741	0.36369	1.14769	1.00000	0.96s
7607	0.37598	0.35574	1.05691	1.00000	0.96s
7608	0.38086	0.48303	0.78847	0.96667	0.95s
7609	0.39785	0.37744	1.05408	1.00000	0.96s
7610	0.36755	0.36008	1.02074	1.00000	0.97s
7611	0.38213	0.35721	1.06975	1.00000	0.96s
7612	0.38215	0.35434	1.07848	1.00000	0.98s
7613	0.37784	0.46158	0.81859	0.96667	0.96s
7614	0.39436	0.36757	1.07286	1.00000	0.97s
7615	0.43745	0.37037	1.18113	1.00000	0.96s
7616	0.37345	0.38008	0.98256	1.00000	0.96s
7617	0.37723	0.36301	1.03917	1.00000	0.96s
7618	0.38836	0.49685	0.78165	0.96667	0.96s
7619	0.37372	0.36540	1.02278	1.00000	0.95s
7620	0.41919	0.37672	1.11274	1.00000	0.96s
7621	0.38441	0.44711	0.85976	0.93333	0.96s
7622	0.37748	0.38037	0.99241	1.00000	0.95s
7623	0.37968	0.41058	0.92472	0.96667	0.96s
7624	0.40901	0.36476	1.12134	1.00000	0.97s
7625	0.40737	0.36181	1.12592	1.00000	0.96s
7626	0.42705	0.38746	1.10219	1.00000	0.97s
7627	0.41264	0.46347	0.89034	0.96667	0.96s
7628	0.44684	0.41946	1.06529	0.96667	0.96s
7629	0.39256	0.39884	0.98424	1.00000	0.95s
7630	0.38984	0.40789	0.95574	0.96667	0.96s
7631	0.47852	0.63087	0.75851	0.93333	0.96s
7632	0.38783	0.38462	1.00835	1.00000	0.97s
7633	0.38580	0.63634	0.60627	0.93333	0.98s
7634	0.44116	0.38434	1.14786	1.00000	0.99s
7635	0.38322	0.39938	0.95953	1.00000	0.96s
7636	0.37314	0.36147	1.03230	1.00000	0.96s
7637	0.37286	0.42758	0.87202	0.96667	0.97s
7638	0.39546	0.36227	1.09162	1.00000	0.96s
7639	0.49886	0.36347	1.37248	1.00000	0.96s
7640	0.37572	0.36371	1.03300	1.00000	0.97s
7641	0.37231	0.37916	0.98194	1.00000	0.96s
7642	0.43696	0.37966	1.15091	1.00000	0.95s
7643	0.44056	0.42931	1.02619	0.96667	0.96s
7644	0.51952	0.36065	1.44053	1.00000	0.96s
7645	0.37723	0.36226	1.04133	1.00000	0.97s
7646	0.38042	0.36234	1.04988	1.00000	0.96s
7647	0.40677	0.35754	1.13768	1.00000	0.96s
7648	0.40470	0.36941	1.09555	1.00000	0.96s
7649	0.41235	0.40603	1.01556	0.96667	0.96s
7650	0.40868	0.37055	1.10291	1.00000	0.96s
7651	0.39910	0.43132	0.92529	0.96667	0.96s
7652	0.37386	0.36031	1.03759	1.00000	0.97s
7653	0.42507	0.37080	1.14638	1.00000	0.96s
7654	0.38240	0.40290	0.94912	0.96667	0.96s

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   7655       0.37359       0.37978       0.98371       1.00000  0.95s
   7656       0.38515       0.39886       0.96561       1.00000  0.96s
   7657       0.39101       0.36565       1.06934       1.00000  0.96s
   7658       0.41505       0.36633       1.13297       1.00000  0.96s
   7659       0.38696       0.35954       1.07629       1.00000  0.96s
   7660       0.40551       0.38965       1.04071       1.00000  0.96s
   7661       0.38767       0.36064       1.07496       1.00000  0.96s
   7662       0.42842       0.48449       0.88427       0.96667  0.95s
   7663       0.38248       0.41847       0.91398       0.96667  0.96s
   7664       0.40648       0.39611       1.02618       1.00000  0.96s
   7665       0.38508       0.37978       1.01394       1.00000  0.97s
   7666       0.39104       0.40496       0.96562       0.96667  0.96s
   7667       0.41919       0.42061       0.99661       0.96667  0.95s
   7668       0.37788       0.42677       0.88544       0.96667  0.95s
   7669       0.42860       0.36857       1.16285       1.00000  0.96s
   7670       0.38988       0.36520       1.06759       1.00000  0.95s
   7671       0.39976       0.37564       1.06421       1.00000  0.96s
   7672       0.42047       0.39665       1.06005       1.00000  0.96s
   7673       0.38309       0.38931       0.98402       1.00000  0.96s
   7674       0.42372       0.37768       1.12192       1.00000  0.96s
   7675       0.41015       0.36040       1.13805       1.00000  0.96s
   7676       0.39348       0.36190       1.08727       1.00000  0.96s
   7677       0.39423       0.37651       1.04705       1.00000  0.96s
   7678       0.41019       0.41394       0.99095       1.00000  0.96s
   7679       0.43505       0.38662       1.12526       1.00000  0.96s
   7680       0.40704       0.37743       1.07844       1.00000  0.96s
   7681       0.41125       0.39654       1.03707       1.00000  0.95s
   7682       0.38073       0.36640       1.03913       1.00000  0.96s
   7683       0.40589       0.37222       1.09044       1.00000  0.95s
   7684       0.42527       0.36264       1.17272       1.00000  0.96s
   7685       0.39787       0.35676       1.11525       1.00000  0.96s
   7686       0.39366       0.39522       0.99606       0.96667  0.97s
   7687       0.39818       0.38464       1.03518       1.00000  0.96s
   7688       0.38274       0.40985       0.93387       0.96667  0.95s
   7689       0.37657       0.37642       1.00041       1.00000  0.96s
   7690       0.40834       0.37074       1.10143       1.00000  0.95s
   7691       0.40483       0.40995       0.98750       0.96667  0.96s
   7692       0.40365       0.35897       1.12449       1.00000  0.96s
   7693       0.40020       0.35872       1.11561       1.00000  0.96s
   7694       0.42053       0.46439       0.90554       0.96667  0.96s
   7695       0.37809       0.36177       1.04512       1.00000  0.96s
   7696       0.39262       0.37184       1.05588       1.00000  0.95s
   7697       0.38029       0.40228       0.94534       0.96667  0.96s
   7698       0.36629       0.40895       0.89567       0.96667  0.96s
   7699       0.37920       0.40679       0.93218       1.00000  0.96s
   7700       0.37736       0.49574       0.76121       0.93333  0.97s
Regularization term: 0.348968565464
2016-07-26 23:44:46,717 - root - INFO - Duration of saving to disk: 0:00:18
2016-07-26 23:44:56,805 - root - INFO - Duration of validation: 0:00:10
   7701       0.38651       0.40170       0.96218       1.00000  0.96s
   7702       0.38064       0.36020       1.05673       1.00000  0.96s
   7703       0.45298       0.36111       1.25439       1.00000  0.96s
   7704       0.40597       0.46376       0.87538       0.96667  0.96s
   7705       0.38582       0.36071       1.06963       1.00000  0.97s
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7706	0.38189	0.39122	0.97615	1.00000	0.96s
7707	0.38733	0.38134	1.01572	1.00000	0.96s
7708	0.41653	0.35877	1.16101	1.00000	0.96s
7709	0.37805	0.36193	1.04452	1.00000	0.96s
7710	0.37827	0.42843	0.88292	0.96667	0.95s
7711	0.39675	0.36671	1.08191	1.00000	0.96s
7712	0.38947	0.37680	1.03363	1.00000	0.96s
7713	0.45281	0.36899	1.22716	1.00000	0.96s
7714	0.45033	0.35643	1.26344	1.00000	0.95s
7715	0.48976	0.37035	1.32243	1.00000	0.96s
7716	0.39806	0.36103	1.10258	1.00000	0.95s
7717	0.39220	0.39265	0.99884	1.00000	0.95s
7718	0.40156	0.37241	1.07828	1.00000	0.96s
7719	0.41158	0.38171	1.07825	0.96667	0.95s
7720	0.39201	0.37820	1.03649	1.00000	0.96s
7721	0.38835	0.36259	1.07106	1.00000	0.95s
7722	0.37631	0.44450	0.84658	0.96667	0.95s
7723	0.37636	0.41993	0.89624	0.96667	0.95s
7724	0.40499	0.35632	1.13662	1.00000	0.95s
7725	0.39453	0.42315	0.93234	0.96667	0.97s
7726	0.37847	0.38195	0.99087	1.00000	0.96s
7727	0.40607	0.36428	1.11470	1.00000	0.96s
7728	0.38136	0.36354	1.04902	1.00000	0.96s
7729	0.38522	0.37338	1.03170	1.00000	0.97s
7730	0.39551	0.38915	1.01633	0.96667	0.96s
7731	0.37428	0.35933	1.04160	1.00000	0.95s
7732	0.38861	0.36672	1.05969	1.00000	0.96s
7733	0.39534	0.35557	1.11185	1.00000	0.98s
7734	0.44093	0.38006	1.16016	1.00000	0.96s
7735	0.39939	0.36235	1.10222	1.00000	0.96s
7736	0.42684	0.40070	1.06522	1.00000	0.96s
7737	0.40003	0.38277	1.04509	1.00000	0.97s
7738	0.38329	0.36943	1.03751	1.00000	0.95s
7739	0.41058	0.36519	1.12429	1.00000	0.96s
7740	0.38647	0.37121	1.04110	1.00000	0.96s
7741	0.36971	0.37014	0.99886	1.00000	0.96s
7742	0.49767	0.35764	1.39155	1.00000	0.95s
7743	0.38797	0.38131	1.01746	1.00000	0.96s
7744	0.38354	0.41483	0.92457	0.96667	0.96s
7745	0.39362	0.37195	1.05826	1.00000	0.96s
7746	0.42617	0.35658	1.19516	1.00000	0.95s
7747	0.38684	0.38670	1.00035	0.96667	0.96s
7748	0.46982	0.39165	1.19959	1.00000	0.96s
7749	0.40220	0.45639	0.88124	0.96667	0.96s
7750	0.37514	0.36495	1.02792	1.00000	0.95s
7751	0.38093	0.35723	1.06636	1.00000	0.96s
7752	0.38034	0.36226	1.04991	1.00000	0.96s
7753	0.40492	0.36207	1.11836	1.00000	0.96s
7754	0.37132	0.36165	1.02675	1.00000	0.96s
7755	0.37259	0.36053	1.03344	1.00000	0.96s
7756	0.38356	0.36016	1.06497	1.00000	0.97s
7757	0.37648	0.36374	1.03505	1.00000	0.96s
7758	0.37804	0.37548	1.00681	1.00000	0.95s
7759	0.39769	0.36353	1.09394	1.00000	0.97s

7760	0.39953	0.35616	1.12177	1.00000	0.96s
7761	0.39880	0.35839	1.11277	1.00000	0.96s
7762	0.41398	0.52963	0.78165	0.93333	0.96s
7763	0.38703	0.36540	1.05921	1.00000	0.96s
7764	0.38322	0.37860	1.01220	1.00000	0.96s
7765	0.38603	0.36390	1.06081	1.00000	0.97s
7766	0.39359	0.39256	1.00265	1.00000	0.95s
7767	0.37910	0.37615	1.00782	1.00000	0.96s
7768	0.46803	0.36573	1.27972	1.00000	0.96s
7769	0.39889	0.36739	1.08573	1.00000	0.96s
7770	0.40123	0.36354	1.10366	1.00000	0.96s
7771	0.37877	0.36055	1.05053	1.00000	0.96s
7772	0.45011	0.36497	1.23328	1.00000	0.96s
7773	0.41117	0.35527	1.15734	1.00000	0.96s
7774	0.38496	0.36652	1.05032	1.00000	0.97s
7775	0.37823	0.36210	1.04454	1.00000	0.96s
7776	0.37181	0.35902	1.03564	1.00000	0.95s
7777	0.52408	0.44005	1.19095	0.96667	0.96s
7778	0.38742	0.36041	1.07493	1.00000	0.97s
7779	0.42022	0.35803	1.17371	1.00000	0.95s
7780	0.37984	0.35361	1.07420	1.00000	0.95s
7781	0.38377	0.35846	1.07061	1.00000	0.95s
7782	0.39397	0.35719	1.10296	1.00000	0.96s
7783	0.37576	0.35856	1.04797	1.00000	0.95s
7784	0.37612	0.36139	1.04077	1.00000	0.96s
7785	0.40443	0.35975	1.12420	1.00000	0.96s
7786	0.41530	0.38179	1.08776	1.00000	0.97s
7787	0.38597	0.36536	1.05641	1.00000	0.96s
7788	0.41617	0.37202	1.11869	1.00000	0.95s
7789	0.40533	0.37911	1.06915	1.00000	0.95s
7790	0.39936	0.39961	0.99939	0.96667	0.97s
7791	0.37684	0.47379	0.79537	0.96667	0.97s
7792	0.37823	0.37132	1.01861	1.00000	0.95s
7793	0.40853	0.36000	1.13483	1.00000	0.96s
7794	0.38154	0.37815	1.00895	1.00000	0.95s
7795	0.44079	0.40053	1.10050	1.00000	0.96s
7796	0.36979	0.41684	0.88713	0.96667	0.96s
7797	0.44680	0.38086	1.17313	1.00000	0.96s
7798	0.41937	0.35766	1.17255	1.00000	0.96s
7799	0.37475	0.36106	1.03793	1.00000	0.96s
7800	0.38937	0.36053	1.07998	1.00000	0.97s
7801	0.38516	0.38681	0.99575	0.96667	0.96s
7802	0.39641	0.41269	0.96054	0.96667	0.95s
7803	0.39487	0.38271	1.03177	1.00000	0.97s
7804	0.38221	0.35897	1.06477	1.00000	0.95s
7805	0.38146	0.35335	1.07956	1.00000	0.97s
7806	0.37485	0.36566	1.02513	1.00000	0.96s
7807	0.40625	0.35784	1.13528	1.00000	0.96s
7808	0.39218	0.48566	0.80751	0.96667	0.96s
7809	0.40940	0.36475	1.12243	1.00000	0.95s
7810	0.41660	0.36345	1.14622	1.00000	0.96s
7811	0.37436	0.35845	1.04440	1.00000	0.96s
7812	0.37288	0.35810	1.04128	1.00000	0.96s
7813	0.37405	0.35763	1.04592	1.00000	0.96s

7814	0.36900	0.35613	1.03615	1.00000	0.96s
7815	0.38167	0.45408	0.84053	0.96667	0.96s
7816	0.39509	0.35611	1.10944	1.00000	0.96s
7817	0.38997	0.37116	1.05067	1.00000	0.96s
7818	0.41790	0.35810	1.16698	1.00000	0.96s
7819	0.40532	0.44745	0.90585	0.96667	0.96s
7820	0.41581	0.35871	1.15917	1.00000	0.96s
7821	0.40071	0.35965	1.11416	1.00000	0.97s
7822	0.37996	0.36839	1.03140	1.00000	0.96s
7823	0.39438	0.57571	0.68503	0.96667	0.95s
7824	0.45481	0.49268	0.92314	0.93333	0.95s
7825	0.38056	0.41156	0.92469	1.00000	0.96s
7826	0.37757	0.37016	1.02003	1.00000	0.96s
7827	0.36648	0.40024	0.91565	0.96667	0.96s
7828	0.42686	0.36150	1.18080	1.00000	0.96s
7829	0.40275	0.37903	1.06257	1.00000	0.95s
7830	0.41833	0.35563	1.17631	1.00000	0.96s
7831	0.39052	0.44118	0.88517	0.96667	0.96s
7832	0.37331	0.41932	0.89027	0.96667	0.97s
7833	0.37176	0.36097	1.02989	1.00000	0.96s
7834	0.38344	0.35983	1.06562	1.00000	0.96s
7835	0.37172	0.35690	1.04154	1.00000	0.95s
7836	0.39645	0.35990	1.10156	1.00000	0.96s
7837	0.41257	0.35921	1.14857	1.00000	0.96s
7838	0.42403	0.39969	1.06090	0.96667	0.96s
7839	0.37645	0.35714	1.05408	1.00000	0.96s
7840	0.37704	0.35576	1.05982	1.00000	0.96s
7841	0.37569	0.35629	1.05443	1.00000	0.96s
7842	0.38388	0.36290	1.05780	1.00000	0.96s
7843	0.37388	0.36536	1.02331	1.00000	0.96s
7844	0.37953	0.41456	0.91549	0.96667	0.96s
7845	0.37327	0.35475	1.05220	1.00000	0.96s
7846	0.41336	0.39116	1.05677	0.96667	0.96s
7847	0.38294	0.36277	1.05560	1.00000	0.96s
7848	0.40711	0.36621	1.11169	1.00000	0.96s
7849	0.38921	0.36247	1.07379	1.00000	0.97s
7850	0.40080	0.36125	1.10948	1.00000	0.97s
7851	0.39816	0.35890	1.10939	1.00000	0.97s
7852	0.44506	0.42688	1.04258	0.96667	0.98s
7853	0.37282	0.35460	1.05138	1.00000	0.96s
7854	0.39815	0.36830	1.08106	1.00000	0.96s
7855	0.41096	0.46974	0.87486	0.96667	0.95s
7856	0.38945	0.35545	1.09565	1.00000	0.96s
7857	0.47185	0.35285	1.33724	1.00000	0.97s
7858	0.38162	0.37008	1.03118	1.00000	0.95s
7859	0.39612	0.35713	1.10918	1.00000	0.96s
7860	0.38496	0.35487	1.08479	1.00000	0.96s
7861	0.45665	0.35560	1.28417	1.00000	0.96s
7862	0.38047	0.35498	1.07180	1.00000	0.95s
7863	0.37511	0.52530	0.71409	0.96667	0.96s
7864	0.38308	0.38126	1.00477	1.00000	0.95s
7865	0.37544	0.35523	1.05691	1.00000	0.95s
7866	0.38942	0.35449	1.09854	1.00000	0.95s
7867	0.41007	0.35676	1.14942	1.00000	0.96s

7868	0.40652	0.35745	1.13725	1.00000	0.97s
7869	0.40908	0.39567	1.03389	1.00000	0.96s
7870	0.37064	0.35320	1.04937	1.00000	0.96s
7871	0.36477	0.35697	1.02185	1.00000	0.95s
7872	0.37447	0.37457	0.99975	1.00000	0.96s
7873	0.40723	0.38686	1.05266	0.96667	0.97s
7874	0.37670	0.36190	1.04089	1.00000	0.95s
7875	0.36933	0.35336	1.04521	1.00000	0.96s
7876	0.37084	0.42569	0.87116	0.96667	0.96s
7877	0.39395	0.35570	1.10754	1.00000	0.96s
7878	0.42214	0.36891	1.14427	1.00000	0.96s
7879	0.40326	0.36390	1.10816	1.00000	0.96s
7880	0.42122	0.42152	0.99928	0.96667	0.95s
7881	0.39591	0.35612	1.11173	1.00000	0.96s
7882	0.37967	0.41338	0.91847	0.96667	0.96s
7883	0.39047	0.51088	0.76431	0.93333	0.97s
7884	0.44720	0.35406	1.26309	1.00000	0.95s
7885	0.36282	0.40877	0.88758	0.96667	0.95s
7886	0.37259	0.35892	1.03810	1.00000	0.96s
7887	0.38719	0.39819	0.97236	1.00000	0.96s
7888	0.42132	0.35765	1.17802	1.00000	0.96s
7889	0.37673	0.35233	1.06923	1.00000	0.96s
7890	0.38404	0.35256	1.08927	1.00000	0.96s
7891	0.38462	0.35766	1.07539	1.00000	0.96s
7892	0.38872	0.36236	1.07276	1.00000	0.96s
7893	0.38057	0.35669	1.06696	1.00000	0.95s
7894	0.38109	0.37502	1.01619	1.00000	0.96s
7895	0.36780	0.40884	0.89962	0.96667	0.96s
7896	0.40249	0.44338	0.90778	0.96667	0.95s
7897	0.39108	0.36972	1.05778	1.00000	0.96s
7898	0.39307	0.35825	1.09721	1.00000	0.96s
7899	0.44090	0.43208	1.02042	0.96667	0.95s
7900	0.37479	0.37671	0.99490	1.00000	0.96s
7901	0.41373	0.39175	1.05609	1.00000	0.96s
7902	0.39200	0.41947	0.93453	0.96667	0.97s
7903	0.36282	0.48159	0.75337	0.96667	0.96s
7904	0.38155	0.50875	0.74999	0.96667	0.96s
7905	0.45912	0.51295	0.89505	0.96667	0.96s
7906	0.39404	0.38083	1.03468	1.00000	0.96s
7907	0.40798	0.36251	1.12544	1.00000	0.96s
7908	0.40018	0.36674	1.09117	1.00000	0.97s
7909	0.42426	0.37158	1.14179	1.00000	0.97s
7910	0.36296	0.35334	1.02724	1.00000	0.96s
7911	0.45590	0.35444	1.28627	1.00000	0.96s
7912	0.43585	0.36548	1.19255	1.00000	0.96s
7913	0.39624	0.35414	1.11887	1.00000	0.95s
7914	0.37574	0.35638	1.05432	1.00000	0.97s
7915	0.37854	0.41341	0.91567	0.96667	0.97s
7916	0.42084	0.38909	1.08161	1.00000	0.97s
7917	0.37303	0.36461	1.02310	1.00000	0.97s
7918	0.39175	0.35673	1.09818	1.00000	0.96s
7919	0.39116	0.39769	0.98356	1.00000	0.96s
7920	0.41868	0.36331	1.15240	1.00000	0.96s
7921	0.37013	0.35900	1.03099	1.00000	0.96s

7922	0.38225	0.40185	0.95122	0.96667	0.96s
7923	0.36662	0.36689	0.99928	1.00000	0.96s
7924	0.43940	0.36389	1.20749	1.00000	0.97s
7925	0.40210	0.36348	1.10625	1.00000	0.96s
7926	0.38267	0.41147	0.93000	0.96667	0.96s
7927	0.37656	0.41827	0.90027	1.00000	0.96s
7928	0.38071	0.35500	1.07243	1.00000	0.96s
7929	0.40797	0.37813	1.07892	1.00000	0.96s
7930	0.37204	0.35643	1.04379	1.00000	0.95s
7931	0.40591	0.36059	1.12568	1.00000	0.95s
7932	0.37754	0.37353	1.01074	1.00000	0.96s
7933	0.38484	0.60119	0.64013	0.96667	0.96s
7934	0.37564	0.38817	0.96772	0.96667	0.96s
7935	0.40400	0.45146	0.89487	0.96667	0.96s
7936	0.36877	0.38406	0.96018	1.00000	0.95s
7937	0.38458	0.38514	0.99853	1.00000	0.96s
7938	0.38809	0.49283	0.78749	0.96667	0.96s
7939	0.37545	0.40457	0.92802	0.96667	0.96s
7940	0.38033	0.35806	1.06218	1.00000	0.96s
7941	0.45209	0.38219	1.18291	1.00000	0.96s
7942	0.36285	0.36289	0.99989	1.00000	0.97s
7943	0.37586	0.35713	1.05244	1.00000	0.95s
7944	0.38331	0.41893	0.91498	0.96667	0.97s
7945	0.44466	0.35500	1.25254	1.00000	0.96s
7946	0.37945	0.48637	0.78016	0.96667	0.96s
7947	0.37089	0.35898	1.03318	1.00000	0.96s
7948	0.39114	0.37521	1.04245	1.00000	0.96s
7949	0.38768	0.37792	1.02584	1.00000	0.97s
7950	0.39640	0.36069	1.09901	1.00000	0.97s
7951	0.40567	0.36639	1.10723	1.00000	0.96s
7952	0.37322	0.39084	0.95490	0.96667	0.96s
7953	0.37027	0.35423	1.04527	1.00000	0.96s
7954	0.41684	0.42466	0.98160	0.96667	0.96s
7955	0.37947	0.34927	1.08645	1.00000	0.96s
7956	0.37615	0.35968	1.04579	1.00000	0.95s
7957	0.38800	0.35477	1.09366	1.00000	0.97s
7958	0.45152	0.34989	1.29047	1.00000	0.96s
7959	0.38831	0.35509	1.09353	1.00000	0.96s
7960	0.39770	0.36228	1.09779	1.00000	0.96s
7961	0.36733	0.36064	1.01853	1.00000	0.96s
7962	0.37142	0.46403	0.80043	0.96667	0.97s
7963	0.36600	0.35515	1.03056	1.00000	0.96s
7964	0.37504	0.35336	1.06134	1.00000	0.95s
7965	0.38408	0.34982	1.09793	1.00000	0.96s
7966	0.38876	0.35337	1.10013	1.00000	0.97s
7967	0.37035	0.35189	1.05244	1.00000	0.96s
7968	0.38468	0.35420	1.08605	1.00000	0.96s
7969	0.36828	0.36018	1.02249	1.00000	0.95s
7970	0.38159	0.36408	1.04809	1.00000	0.95s
7971	0.42246	0.36620	1.15363	1.00000	0.96s
7972	0.42908	0.35160	1.22038	1.00000	0.96s
7973	0.37772	0.35705	1.05789	1.00000	0.96s
7974	0.36920	0.35721	1.03357	1.00000	0.96s
7975	0.37296	0.35254	1.05792	1.00000	0.96s

7976	0.37052	0.36021	1.02863	1.00000	0.96s
7977	0.37097	0.35536	1.04392	1.00000	0.96s
7978	0.36663	0.36558	1.00288	1.00000	0.96s
7979	0.37714	0.35553	1.06077	1.00000	0.96s
7980	0.40208	0.37024	1.08598	1.00000	0.96s
7981	0.36767	0.43146	0.85216	0.96667	0.97s
7982	0.36838	0.34946	1.05414	1.00000	0.97s
7983	0.36453	0.35692	1.02131	1.00000	0.96s
7984	0.39536	0.35475	1.11445	1.00000	0.96s
7985	0.41264	0.36098	1.14313	1.00000	0.97s
7986	0.40276	0.35695	1.12835	1.00000	0.96s
7987	0.36915	0.36019	1.02488	1.00000	0.97s
7988	0.38557	0.35542	1.08484	1.00000	0.97s
7989	0.40936	0.35732	1.14565	1.00000	0.96s
7990	0.41113	0.36019	1.14144	1.00000	0.96s
7991	0.36420	0.36057	1.01008	1.00000	0.95s
7992	0.36703	0.36800	0.99736	1.00000	0.96s
7993	0.39922	0.35146	1.13588	1.00000	0.96s
7994	0.38539	0.45858	0.84040	0.96667	0.97s
7995	0.37329	0.35474	1.05231	1.00000	0.96s
7996	0.43829	0.36390	1.20442	1.00000	0.96s
7997	0.43971	0.35855	1.22633	1.00000	0.96s
7998	0.38176	0.35091	1.08794	1.00000	0.97s
7999	0.42790	0.35230	1.21460	1.00000	0.96s
8000	0.38913	0.35711	1.08967	1.00000	0.97s
8001	0.38368	0.35630	1.07685	1.00000	0.96s
8002	0.38458	0.35877	1.07194	1.00000	0.96s
8003	0.40300	0.35903	1.12247	1.00000	0.96s
8004	0.41305	0.43071	0.95901	0.96667	0.96s
8005	0.37447	0.35616	1.05141	1.00000	0.96s
8006	0.41095	0.35121	1.17009	1.00000	0.97s
8007	0.37974	0.41781	0.90888	0.96667	0.97s
8008	0.40219	0.41261	0.97474	0.96667	0.96s
8009	0.40815	0.34772	1.17378	1.00000	0.96s
8010	0.36492	0.35157	1.03798	1.00000	0.96s
8011	0.43500	0.35163	1.23711	1.00000	0.96s
8012	0.37547	0.35648	1.05329	1.00000	0.96s
8013	0.37547	0.36555	1.02716	1.00000	0.97s
8014	0.36837	0.38286	0.96216	0.96667	0.96s
8015	0.35850	0.34887	1.02760	1.00000	0.96s
8016	0.36535	0.35757	1.02177	1.00000	0.97s
8017	0.41934	0.35720	1.17397	1.00000	0.96s
8018	0.42324	0.35762	1.18348	1.00000	0.96s
8019	0.43130	0.34917	1.23521	1.00000	0.96s
8020	0.39953	0.36555	1.09296	1.00000	0.96s
8021	0.36051	0.35290	1.02155	1.00000	0.95s
8022	0.40242	0.36034	1.11676	1.00000	0.97s
8023	0.38973	0.35706	1.09151	1.00000	0.96s
8024	0.36476	0.36193	1.00784	1.00000	0.96s
8025	0.38196	0.37558	1.01700	1.00000	0.97s
8026	0.41093	0.36835	1.11560	1.00000	0.96s
8027	0.41101	0.35969	1.14267	1.00000	0.97s
8028	0.35791	0.35277	1.01456	1.00000	0.96s
8029	0.36675	0.35053	1.04629	1.00000	0.96s

8030	0.37810	0.35868	1.05412	1.00000	0.96s
8031	0.38041	0.37216	1.02216	1.00000	0.96s
8032	0.37700	0.35765	1.05412	1.00000	0.96s
8033	0.36931	0.38501	0.95922	1.00000	0.96s
8034	0.38994	0.34871	1.11824	1.00000	0.95s
8035	0.36842	0.35860	1.02737	1.00000	0.96s
8036	0.38139	0.34898	1.09286	1.00000	0.95s
8037	0.36491	0.34661	1.05279	1.00000	0.95s
8038	0.45165	0.36211	1.24727	1.00000	0.96s
8039	0.37533	0.35147	1.06790	1.00000	0.95s
8040	0.37542	0.38643	0.97150	1.00000	0.96s
8041	0.37757	0.34984	1.07925	1.00000	0.96s
8042	0.37924	0.35345	1.07296	1.00000	0.96s
8043	0.39412	0.35130	1.12191	1.00000	0.96s
8044	0.52065	0.35828	1.45319	1.00000	0.97s
8045	0.39103	0.35632	1.09741	1.00000	0.95s
8046	0.39957	0.36747	1.08736	1.00000	0.96s
8047	0.37334	0.35422	1.05399	1.00000	0.96s
8048	0.42024	0.36005	1.16719	1.00000	0.97s
8049	0.38966	0.34667	1.12401	1.00000	0.95s
8050	0.37225	0.34940	1.06538	1.00000	0.96s
8051	0.36797	0.36306	1.01350	1.00000	0.96s
8052	0.38939	0.35317	1.10256	1.00000	0.95s
8053	0.38519	0.35347	1.08974	1.00000	0.95s
8054	0.37006	0.37755	0.98015	1.00000	0.96s
8055	0.36697	0.34787	1.05490	1.00000	0.96s
8056	0.42284	0.34752	1.21675	1.00000	0.96s
8057	0.38227	0.34865	1.09645	1.00000	0.96s
8058	0.36925	0.34836	1.05996	1.00000	0.95s
8059	0.37388	0.34694	1.07764	1.00000	0.96s
8060	0.38359	0.34977	1.09669	1.00000	0.96s
8061	0.38098	0.36232	1.05153	1.00000	0.96s
8062	0.37150	0.37547	0.98942	0.96667	0.96s
8063	0.39219	0.34922	1.12303	1.00000	0.96s
8064	0.39407	0.35307	1.11611	1.00000	0.96s
8065	0.36743	0.34536	1.06389	1.00000	0.96s
8066	0.37178	0.34936	1.06417	1.00000	0.97s
8067	0.36290	0.34706	1.04562	1.00000	0.96s
8068	0.36190	0.34863	1.03805	1.00000	0.95s
8069	0.36125	0.36917	0.97855	1.00000	0.97s
8070	0.36258	0.39611	0.91534	0.96667	0.97s
8071	0.38398	0.36141	1.06247	1.00000	0.96s
8072	0.36491	0.34693	1.05182	1.00000	0.96s
8073	0.37022	0.38226	0.96850	1.00000	0.95s
8074	0.36931	0.45224	0.81662	0.96667	0.96s
8075	0.36713	0.35722	1.02773	1.00000	0.96s
8076	0.39695	0.36642	1.08333	1.00000	0.95s
8077	0.40845	0.40962	0.99715	0.96667	0.96s
8078	0.37390	0.54124	0.69081	0.93333	0.96s
8079	0.37111	0.34469	1.07663	1.00000	0.96s
8080	0.39225	0.34647	1.13213	1.00000	0.96s
8081	0.39503	0.34782	1.13575	1.00000	0.95s
8082	0.41049	0.35102	1.16941	1.00000	0.96s
8083	0.36630	0.34738	1.05445	1.00000	0.95s

8084	0.36727	0.36001	1.02017	1.00000	0.95s
8085	0.36088	0.37544	0.96121	1.00000	0.96s
8086	0.36582	0.35012	1.04484	1.00000	0.96s
8087	0.35400	0.36097	0.98068	1.00000	0.96s
8088	0.38569	0.34797	1.10839	1.00000	0.96s
8089	0.38885	0.34488	1.12749	1.00000	0.95s
8090	0.36216	0.34601	1.04667	1.00000	0.96s
8091	0.38667	0.43121	0.89669	0.96667	0.96s
8092	0.37951	0.36523	1.03909	1.00000	0.96s
8093	0.42941	0.36322	1.18222	1.00000	0.96s
8094	0.37906	0.35640	1.06360	1.00000	0.96s
8095	0.35640	0.35647	0.99981	1.00000	0.96s
8096	0.35905	0.41529	0.86459	0.96667	0.96s
8097	0.36038	0.46851	0.76920	0.96667	0.95s
8098	0.39076	0.35239	1.10889	1.00000	0.96s
8099	0.40415	0.35800	1.12890	1.00000	0.95s
8100	0.37542	0.35607	1.05435	1.00000	0.97s
8101	0.36199	0.35232	1.02743	1.00000	0.96s
8102	0.37366	0.40002	0.93412	1.00000	0.96s
8103	0.35761	0.35286	1.01344	1.00000	0.95s
8104	0.37007	0.35536	1.04140	1.00000	0.96s
8105	0.39256	0.35453	1.10728	1.00000	0.96s
8106	0.37341	0.48826	0.76478	0.93333	0.96s
8107	0.37871	0.37382	1.01306	1.00000	0.95s
8108	0.37215	0.36029	1.03292	1.00000	0.97s
8109	0.35812	0.36820	0.97264	1.00000	0.97s
8110	0.42511	0.35103	1.21101	1.00000	0.96s
8111	0.37510	0.35054	1.07006	1.00000	0.96s
8112	0.35876	0.35020	1.02442	1.00000	0.96s
8113	0.38506	0.35843	1.07430	1.00000	0.96s
8114	0.36660	0.38387	0.95500	0.96667	0.95s
8115	0.46098	0.35482	1.29922	1.00000	0.96s
8116	0.37019	0.35719	1.03641	1.00000	0.96s
8117	0.37174	0.35024	1.06139	1.00000	0.96s
8118	0.36063	0.34606	1.04211	1.00000	0.97s
8119	0.39438	0.34507	1.14290	1.00000	0.96s
8120	0.38200	0.39760	0.96077	0.96667	0.96s
8121	0.37703	0.35009	1.07695	1.00000	0.96s
8122	0.39068	0.35306	1.10654	1.00000	0.96s
8123	0.36754	0.34673	1.06004	1.00000	0.96s
8124	0.38060	0.34666	1.09790	1.00000	0.98s
8125	0.36138	0.35249	1.02523	1.00000	0.96s
8126	0.38559	0.36165	1.06622	1.00000	0.95s
8127	0.36054	0.35395	1.01863	1.00000	0.97s
8128	0.35481	0.35318	1.00462	1.00000	0.96s
8129	0.37042	0.35456	1.04473	1.00000	0.96s
8130	0.37197	0.34729	1.07107	1.00000	0.96s
8131	0.38974	0.34900	1.11673	1.00000	0.97s
8132	0.38278	0.35021	1.09300	1.00000	0.97s
8133	0.40382	0.35580	1.13497	1.00000	0.96s
8134	0.39607	0.34601	1.14468	1.00000	0.96s
8135	0.37120	0.40967	0.90610	0.96667	0.96s
8136	0.36034	0.34668	1.03941	1.00000	0.96s
8137	0.38579	0.34575	1.11582	1.00000	0.97s

8138	0.36306	0.35958	1.00968	1.00000	0.95s
8139	0.37004	0.34634	1.06841	1.00000	0.96s
8140	0.37867	0.35772	1.05857	1.00000	0.95s
8141	0.37208	0.35762	1.04044	1.00000	0.96s
8142	0.40893	0.38418	1.06443	0.96667	0.96s
8143	0.37175	0.34938	1.06401	1.00000	0.96s
8144	0.37433	0.36472	1.02634	1.00000	0.96s
8145	0.35754	0.35134	1.01765	1.00000	0.96s
8146	0.35765	0.36808	0.97166	1.00000	0.96s
8147	0.41826	0.36046	1.16035	1.00000	0.95s
8148	0.35769	0.35053	1.02044	1.00000	0.96s
8149	0.37899	0.34556	1.09676	1.00000	0.96s
8150	0.40020	0.35030	1.14243	1.00000	0.96s
8151	0.38859	0.36395	1.06768	1.00000	0.95s
8152	0.36155	0.38206	0.94630	0.96667	0.96s
8153	0.44779	0.36109	1.24012	1.00000	0.96s
8154	0.38458	0.35572	1.08114	1.00000	0.96s
8155	0.37011	0.38710	0.95612	1.00000	0.96s
8156	0.36532	0.34970	1.04469	1.00000	0.96s
8157	0.37734	0.34855	1.08259	1.00000	0.96s
8158	0.36852	0.46805	0.78734	0.96667	0.96s
8159	0.38495	0.34948	1.10149	1.00000	0.96s
8160	0.39604	0.34229	1.15704	1.00000	0.96s
8161	0.36353	0.34695	1.04779	1.00000	0.96s
8162	0.36770	0.36934	0.99557	1.00000	0.98s
8163	0.40434	0.34997	1.15533	1.00000	0.96s
8164	0.40569	0.34842	1.16439	1.00000	0.95s
8165	0.37599	0.34201	1.09936	1.00000	0.96s
8166	0.38161	0.34260	1.11386	1.00000	0.96s
8167	0.37850	0.34417	1.09977	1.00000	0.95s
8168	0.41964	0.34303	1.22333	1.00000	0.96s
8169	0.37075	0.35833	1.03467	1.00000	0.96s
8170	0.35157	0.34142	1.02970	1.00000	0.95s
8171	0.38865	0.35214	1.10367	1.00000	0.95s
8172	0.38328	0.47817	0.80155	0.96667	0.97s
8173	0.36693	0.34111	1.07569	1.00000	0.96s
8174	0.35724	0.34058	1.04892	1.00000	0.96s
8175	0.36803	0.38009	0.96829	1.00000	0.96s
8176	0.36951	0.34807	1.06159	1.00000	0.97s
8177	0.40315	0.36305	1.11044	1.00000	0.95s
8178	0.37705	0.34736	1.08549	1.00000	0.95s
8179	0.39788	0.34712	1.14624	1.00000	0.96s
8180	0.36066	0.36049	1.00046	1.00000	0.96s
8181	0.37187	0.37263	0.99797	0.96667	0.96s
8182	0.35815	0.51329	0.69775	0.93333	0.95s
8183	0.34956	0.34582	1.01080	1.00000	0.97s
8184	0.37235	0.34272	1.08647	1.00000	0.96s
8185	0.38813	0.46930	0.82703	0.96667	0.96s
8186	0.42536	0.41918	1.01476	0.96667	0.96s
8187	0.35438	0.34227	1.03536	1.00000	0.96s
8188	0.36206	0.33968	1.06589	1.00000	0.96s
8189	0.36075	0.34188	1.05518	1.00000	0.96s
8190	0.35490	0.33923	1.04619	1.00000	0.96s
8191	0.36295	0.35040	1.03582	1.00000	0.96s

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   8192       0.39041       0.34481       1.13223       1.00000  0.96s
   8193       0.35542       0.35428       1.00323       1.00000  0.96s
   8194       0.37262       0.33991       1.09625       1.00000  0.96s
   8195       0.35925       0.37223       0.96513       1.00000  0.96s
   8196       0.36065       0.38076       0.94720       0.96667  0.97s
   8197       0.36482       0.34354       1.06197       1.00000  0.96s
   8198       0.35692       0.34670       1.02947       1.00000  0.95s
   8199       0.35625       0.34643       1.02833       1.00000  0.95s
   8200       0.35887       0.36525       0.98253       1.00000  0.95s
Regularization term: 0.333231300116
2016-07-26 23:53:20,998 - root - INFO - Duration of saving to disk: 0:00:18
2016-07-26 23:53:30,874 - root - INFO - Duration of validation: 0:00:09
   8201       0.35241       0.33984       1.03696       1.00000  0.99s
   8202       0.36556       0.34877       1.04815       1.00000  0.96s
   8203       0.35288       0.35463       0.99505       1.00000  0.96s
   8204       0.39591       0.35560       1.11335       1.00000  0.96s
   8205       0.35855       0.34120       1.05083       1.00000  0.95s
   8206       0.35279       0.34862       1.01196       1.00000  0.96s
   8207       0.36525       0.35565       1.02701       1.00000  0.96s
   8208       0.36375       0.36794       0.98860       1.00000  0.96s
   8209       0.36003       0.33997       1.05900       1.00000  0.96s
   8210       0.40246       0.34188       1.17720       1.00000  0.96s
   8211       0.38145       0.35465       1.07557       1.00000  0.96s
   8212       0.35582       0.35501       1.00229       1.00000  0.96s
   8213       0.42669       0.36371       1.17316       1.00000  0.96s
   8214       0.39376       0.34238       1.15008       1.00000  0.96s
   8215       0.34884       0.33969       1.02694       1.00000  0.96s
   8216       0.42774       0.35539       1.20359       1.00000  0.96s
   8217       0.37778       0.35729       1.05736       1.00000  0.95s
   8218       0.37628       0.36456       1.03215       1.00000  0.96s
   8219       0.40209       0.35426       1.13502       1.00000  0.96s
   8220       0.36831       0.35004       1.05220       1.00000  0.96s
   8221       0.35370       0.34381       1.02876       1.00000  0.96s
   8222       0.36074       0.33712       1.07007       1.00000  0.96s
   8223       0.39236       0.34358       1.14197       1.00000  0.96s
   8224       0.35755       0.34805       1.02729       1.00000  0.96s
   8225       0.36550       0.37767       0.96778       1.00000  0.96s
   8226       0.38482       0.35582       1.08147       1.00000  0.96s
   8227       0.36856       0.33975       1.08479       1.00000  0.96s
   8228       0.39442       0.35750       1.10326       1.00000  0.97s
   8229       0.36126       0.34064       1.06052       1.00000  0.96s
   8230       0.36108       0.34163       1.05693       1.00000  0.96s
   8231       0.39407       0.33809       1.16558       1.00000  0.95s
   8232       0.36369       0.36836       0.98734       1.00000  0.95s
   8233       0.37324       0.34139       1.09330       1.00000  0.96s
   8234       0.41709       0.36083       1.15593       1.00000  0.95s
   8235       0.35923       0.34474       1.04205       1.00000  0.97s
   8236       0.38352       0.33826       1.13382       1.00000  0.96s
   8237       0.35776       0.35437       1.00957       1.00000  0.95s
   8238       0.35163       0.36917       0.95250       1.00000  0.95s
   8239       0.35254       0.34363       1.02595       1.00000  0.97s
   8240       0.36874       0.33754       1.09242       1.00000  0.95s
   8241       0.34885       0.35480       0.98322       1.00000  0.96s
   8242       0.40024       0.34315       1.16639       1.00000  0.96s
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8243	0.37253	0.36573	1.01860	1.00000	0.96s
8244	0.37488	0.40382	0.92834	0.96667	0.96s
8245	0.38891	0.44288	0.87814	0.96667	0.97s
8246	0.38574	0.34309	1.12434	1.00000	0.96s
8247	0.39104	0.34698	1.12697	1.00000	0.96s
8248	0.35611	0.34422	1.03454	1.00000	0.95s
8249	0.36671	0.42106	0.87092	0.96667	0.97s
8250	0.35813	0.34207	1.04696	1.00000	0.95s
8251	0.34640	0.41412	0.83647	0.93333	0.95s
8252	0.37396	0.34277	1.09100	1.00000	0.96s
8253	0.42919	0.33846	1.26806	1.00000	0.96s
8254	0.35259	0.33631	1.04840	1.00000	0.96s
8255	0.38152	0.33931	1.12442	1.00000	0.96s
8256	0.37070	0.34029	1.08938	1.00000	0.95s
8257	0.44254	0.36268	1.22020	1.00000	0.96s
8258	0.36471	0.33854	1.07733	1.00000	0.96s
8259	0.35237	0.34417	1.02384	1.00000	0.94s
8260	0.36252	0.34822	1.04106	1.00000	0.98s
8261	0.39535	0.35363	1.11798	1.00000	0.96s
8262	0.36247	0.34269	1.05772	1.00000	0.96s
8263	0.34877	0.33665	1.03602	1.00000	0.95s
8264	0.37866	0.35204	1.07561	1.00000	0.96s
8265	0.35471	0.33585	1.05615	1.00000	0.97s
8266	0.37494	0.34230	1.09536	1.00000	0.95s
8267	0.35741	0.34782	1.02758	1.00000	0.97s
8268	0.35202	0.38239	0.92059	1.00000	0.96s
8269	0.48793	0.33565	1.45369	1.00000	0.97s
8270	0.35977	0.33773	1.06526	1.00000	0.96s
8271	0.35651	0.35886	0.99346	1.00000	0.96s
8272	0.37661	0.33638	1.11959	1.00000	0.95s
8273	0.38105	0.33881	1.12468	1.00000	0.96s
8274	0.35112	0.34318	1.02314	1.00000	0.96s
8275	0.35301	0.33811	1.04408	1.00000	0.96s
8276	0.36420	0.33759	1.07883	1.00000	0.96s
8277	0.36068	0.35224	1.02397	1.00000	0.96s
8278	0.34881	0.34832	1.00140	1.00000	0.96s
8279	0.35703	0.35182	1.01481	1.00000	0.96s
8280	0.37335	0.36191	1.03161	1.00000	0.97s
8281	0.34804	0.41414	0.84039	0.96667	0.96s
8282	0.41988	0.35865	1.17070	1.00000	0.96s
8283	0.42072	0.35184	1.19574	1.00000	0.96s
8284	0.36593	0.33905	1.07927	1.00000	0.96s
8285	0.41683	0.33988	1.22643	1.00000	0.95s
8286	0.35655	0.35097	1.01590	1.00000	0.95s
8287	0.39846	0.34875	1.14254	1.00000	0.95s
8288	0.38530	0.33708	1.14307	1.00000	0.96s
8289	0.34842	0.33886	1.02822	1.00000	0.96s
8290	0.40976	0.33914	1.20821	1.00000	0.96s
8291	0.43250	0.40614	1.06491	0.96667	0.97s
8292	0.34952	0.39379	0.88759	0.96667	0.98s
8293	0.35663	0.34184	1.04328	1.00000	0.96s
8294	0.35712	0.35593	1.00335	1.00000	0.96s
8295	0.35198	0.35231	0.99906	1.00000	0.96s
8296	0.40607	0.34544	1.17549	1.00000	0.96s

8297	0.42070	0.37082	1.13454	1.00000	0.96s
8298	0.35657	0.34330	1.03867	1.00000	0.96s
8299	0.36146	0.33956	1.06449	1.00000	0.96s
8300	0.34954	0.33841	1.03289	1.00000	0.95s
8301	0.37247	0.33786	1.10241	1.00000	0.96s
8302	0.40817	0.36808	1.10892	1.00000	0.96s
8303	0.36498	0.34131	1.06936	1.00000	0.96s
8304	0.39368	0.39347	1.00054	0.96667	0.96s
8305	0.37580	0.34410	1.09212	1.00000	0.96s
8306	0.40097	0.33735	1.18859	1.00000	0.97s
8307	0.35340	0.33727	1.04782	1.00000	0.96s
8308	0.36735	0.39185	0.93747	0.96667	0.95s
8309	0.35832	0.34490	1.03891	1.00000	0.95s
8310	0.34987	0.34019	1.02846	1.00000	0.96s
8311	0.39541	0.34082	1.16016	1.00000	0.97s
8312	0.37258	0.33460	1.11351	1.00000	0.96s
8313	0.39259	0.37777	1.03923	0.96667	0.97s
8314	0.34836	0.33479	1.04054	1.00000	0.96s
8315	0.37009	0.34289	1.07935	1.00000	0.96s
8316	0.37203	0.33681	1.10456	1.00000	0.95s
8317	0.35228	0.36440	0.96675	1.00000	0.96s
8318	0.35204	0.33628	1.04686	1.00000	0.96s
8319	0.36666	0.34334	1.06791	1.00000	0.96s
8320	0.37291	0.33478	1.11389	1.00000	0.97s
8321	0.34993	0.33581	1.04204	1.00000	0.96s
8322	0.35974	0.33515	1.07338	1.00000	0.95s
8323	0.37687	0.37715	0.99927	0.96667	0.96s
8324	0.39334	0.34271	1.14775	1.00000	0.95s
8325	0.36214	0.33926	1.06745	1.00000	0.96s
8326	0.35501	0.34020	1.04353	1.00000	0.96s
8327	0.38064	0.33584	1.13340	1.00000	0.97s
8328	0.36000	0.35163	1.02382	1.00000	0.95s
8329	0.38220	0.33119	1.15401	1.00000	0.96s
8330	0.35015	0.38024	0.92086	0.96667	0.96s
8331	0.39740	0.34387	1.15565	1.00000	0.96s
8332	0.36430	0.36841	0.98885	1.00000	0.96s
8333	0.36226	0.34159	1.06053	1.00000	0.96s
8334	0.35463	0.38645	0.91767	0.96667	0.96s
8335	0.35910	0.38371	0.93585	0.96667	0.96s
8336	0.35206	0.38929	0.90437	0.96667	0.95s
8337	0.38603	0.35527	1.08659	1.00000	0.95s
8338	0.37040	0.33839	1.09459	1.00000	0.96s
8339	0.39642	0.39418	1.00570	0.96667	0.96s
8340	0.37127	0.33483	1.10886	1.00000	0.96s
8341	0.36888	0.33563	1.09908	1.00000	0.96s
8342	0.38468	0.35835	1.07347	0.96667	0.96s
8343	0.34785	0.36114	0.96321	1.00000	0.95s
8344	0.35262	0.33302	1.05886	1.00000	0.96s
8345	0.35725	0.34303	1.04146	1.00000	0.95s
8346	0.39113	0.33517	1.16694	1.00000	0.96s
8347	0.34520	0.41141	0.83907	0.96667	0.97s
8348	0.37496	0.36513	1.02692	1.00000	0.96s
8349	0.34761	0.34007	1.02216	1.00000	0.96s
8350	0.35959	0.43645	0.82390	0.96667	0.95s

8351	0.34485	0.34731	0.99290	1.00000	0.96s
8352	0.39012	0.33333	1.17037	1.00000	0.96s
8353	0.35222	0.35772	0.98461	1.00000	0.96s
8354	0.36670	0.33813	1.08449	1.00000	0.96s
8355	0.36473	0.33540	1.08746	1.00000	0.95s
8356	0.39021	0.33311	1.17140	1.00000	0.96s
8357	0.36361	0.33571	1.08309	1.00000	0.96s
8358	0.36831	0.33517	1.09890	1.00000	0.96s
8359	0.36045	0.33110	1.08862	1.00000	0.96s
8360	0.38101	0.35399	1.07633	1.00000	0.95s
8361	0.38261	0.37276	1.02643	1.00000	0.96s
8362	0.39965	0.34114	1.17152	1.00000	0.96s
8363	0.38113	0.33234	1.14682	1.00000	0.96s
8364	0.36089	0.33193	1.08726	1.00000	0.96s
8365	0.35548	0.34211	1.03909	1.00000	0.96s
8366	0.35119	0.40211	0.87336	0.96667	0.96s
8367	0.37486	0.33218	1.12846	1.00000	0.96s
8368	0.36067	0.37629	0.95848	0.96667	0.95s
8369	0.37176	0.34945	1.06385	1.00000	0.96s
8370	0.37064	0.33980	1.09077	1.00000	0.95s
8371	0.39291	0.37568	1.04586	0.96667	0.96s
8372	0.38019	0.34190	1.11201	1.00000	0.97s
8373	0.36012	0.42348	0.85039	0.96667	0.96s
8374	0.36778	0.34221	1.07474	1.00000	0.96s
8375	0.37653	0.34913	1.07847	1.00000	0.96s
8376	0.39805	0.33886	1.17467	1.00000	0.95s
8377	0.36941	0.34741	1.06334	1.00000	0.96s
8378	0.40344	0.35024	1.15189	1.00000	0.96s
8379	0.38286	0.33977	1.12685	1.00000	0.96s
8380	0.37122	0.36579	1.01486	1.00000	0.96s
8381	0.35162	0.34639	1.01511	1.00000	0.96s
8382	0.39789	0.34069	1.16791	1.00000	0.96s
8383	0.37200	0.34061	1.09216	1.00000	0.95s
8384	0.35918	0.34845	1.03080	1.00000	0.95s
8385	0.40918	0.34583	1.18316	1.00000	0.96s
8386	0.36164	0.33953	1.06510	1.00000	0.97s
8387	0.37058	0.45245	0.81906	0.96667	0.97s
8388	0.34491	0.38298	0.90059	0.96667	0.97s
8389	0.37420	0.32933	1.13625	1.00000	0.96s
8390	0.39873	0.33078	1.20542	1.00000	0.96s
8391	0.37192	0.33145	1.12211	1.00000	0.96s
8392	0.36312	0.34707	1.04626	1.00000	0.95s
8393	0.35508	0.40709	0.87224	0.96667	0.95s
8394	0.40311	0.33015	1.22098	1.00000	0.96s
8395	0.34143	0.33171	1.02928	1.00000	0.97s
8396	0.41154	0.32999	1.24714	1.00000	0.96s
8397	0.34865	0.32902	1.05965	1.00000	0.96s
8398	0.42471	0.33134	1.28179	1.00000	0.96s
8399	0.34433	0.34186	1.00723	1.00000	0.96s
8400	0.35925	0.33735	1.06492	1.00000	0.96s
8401	0.36713	0.35074	1.04674	1.00000	0.96s
8402	0.35399	0.33746	1.04898	1.00000	0.96s
8403	0.36844	0.33034	1.11532	1.00000	0.97s
8404	0.34773	0.33001	1.05369	1.00000	0.95s

8405	0.35639	0.32793	1.08679	1.00000	0.96s
8406	0.34512	0.34252	1.00758	1.00000	0.95s
8407	0.36370	0.33424	1.08814	1.00000	0.95s
8408	0.38648	0.34064	1.13458	1.00000	0.96s
8409	0.36240	0.33553	1.08009	1.00000	0.95s
8410	0.35008	0.37630	0.93031	0.96667	0.96s
8411	0.42101	0.35587	1.18305	1.00000	0.96s
8412	0.34856	0.34076	1.02290	1.00000	0.95s
8413	0.35164	0.35300	0.99616	1.00000	0.95s
8414	0.35180	0.38720	0.90856	0.96667	0.96s
8415	0.36111	0.33008	1.09400	1.00000	0.96s
8416	0.34279	0.33406	1.02614	1.00000	0.96s
8417	0.33933	0.34869	0.97314	1.00000	0.96s
8418	0.35014	0.34825	1.00542	1.00000	0.96s
8419	0.38435	0.33154	1.15927	1.00000	0.97s
8420	0.36606	0.33972	1.07753	1.00000	0.96s
8421	0.35228	0.33810	1.04194	1.00000	0.95s
8422	0.37011	0.46860	0.78983	0.93333	0.96s
8423	0.34759	0.42198	0.82372	0.96667	0.95s
8424	0.35805	0.36078	0.99245	1.00000	0.96s
8425	0.35476	0.33314	1.06488	1.00000	0.96s
8426	0.36891	0.33009	1.11760	1.00000	0.96s
8427	0.37090	0.35701	1.03890	1.00000	0.95s
8428	0.36583	0.33152	1.10349	1.00000	0.95s
8429	0.37035	0.33124	1.11806	1.00000	0.96s
8430	0.35267	0.33395	1.05605	1.00000	0.96s
8431	0.35194	0.33143	1.06190	1.00000	0.96s
8432	0.34199	0.37372	0.91510	1.00000	0.97s
8433	0.36115	0.32982	1.09500	1.00000	0.96s
8434	0.37209	0.34711	1.07195	1.00000	0.96s
8435	0.35555	0.32757	1.08543	1.00000	0.96s
8436	0.36292	0.33786	1.07419	1.00000	0.96s
8437	0.34485	0.33722	1.02261	1.00000	0.96s
8438	0.38763	0.33076	1.17193	1.00000	0.96s
8439	0.36840	0.32868	1.12087	1.00000	0.96s
8440	0.34088	0.32767	1.04034	1.00000	0.96s
8441	0.38272	0.34259	1.11714	1.00000	0.96s
8442	0.37975	0.33548	1.13194	1.00000	0.96s
8443	0.37320	0.32958	1.13235	1.00000	0.96s
8444	0.36038	0.33760	1.06748	1.00000	0.96s
8445	0.39165	0.35837	1.09288	0.96667	0.96s
8446	0.34370	0.39968	0.85994	0.96667	0.96s
8447	0.36737	0.33373	1.10081	1.00000	0.97s
8448	0.35178	0.34936	1.00693	1.00000	0.95s
8449	0.34673	0.35482	0.97720	1.00000	0.95s
8450	0.35119	0.33197	1.05792	1.00000	0.96s
8451	0.35823	0.32823	1.09141	1.00000	0.97s
8452	0.36103	0.33373	1.08179	1.00000	0.97s
8453	0.38006	0.33163	1.14603	1.00000	0.97s
8454	0.34764	0.33293	1.04418	1.00000	0.96s
8455	0.35319	0.43702	0.80817	0.96667	0.96s
8456	0.34736	0.35469	0.97934	1.00000	0.97s
8457	0.35897	0.33032	1.08675	1.00000	0.95s
8458	0.35151	0.34751	1.01153	1.00000	0.95s

8459	0.38175	0.33590	1.13649	1.00000	0.96s
8460	0.39796	0.33328	1.19407	1.00000	0.96s
8461	0.38360	0.33575	1.14250	1.00000	0.96s
8462	0.35892	0.33133	1.08327	1.00000	0.96s
8463	0.34467	0.35024	0.98412	1.00000	0.96s
8464	0.36813	0.33433	1.10109	1.00000	0.95s
8465	0.36356	0.34192	1.06330	1.00000	0.96s
8466	0.35483	0.33585	1.05650	1.00000	0.95s
8467	0.39846	0.33246	1.19854	1.00000	0.96s
8468	0.34731	0.36644	0.94779	0.96667	0.96s
8469	0.34625	0.41455	0.83524	0.96667	0.96s
8470	0.36568	0.33825	1.08108	1.00000	0.95s
8471	0.36194	0.33054	1.09498	1.00000	0.96s
8472	0.39217	0.33946	1.15527	1.00000	0.96s
8473	0.35155	0.36041	0.97541	1.00000	0.96s
8474	0.37925	0.34017	1.11490	1.00000	0.96s
8475	0.35411	0.33251	1.06496	1.00000	0.96s
8476	0.35883	0.35557	1.00917	1.00000	0.96s
8477	0.35953	0.33190	1.08324	1.00000	0.97s
8478	0.34603	0.33184	1.04276	1.00000	0.96s
8479	0.33932	0.33016	1.02773	1.00000	0.97s
8480	0.35219	0.33705	1.04492	1.00000	0.95s
8481	0.34775	0.33487	1.03847	1.00000	0.95s
8482	0.34259	0.38803	0.88291	0.96667	0.96s
8483	0.42244	0.32871	1.28513	1.00000	0.97s
8484	0.33676	0.33774	0.99709	1.00000	0.96s
8485	0.35014	0.38280	0.91468	0.96667	0.95s
8486	0.35663	0.35260	1.01144	1.00000	0.97s
8487	0.36230	0.33694	1.07524	1.00000	0.97s
8488	0.37344	0.32884	1.13564	1.00000	0.95s
8489	0.36550	0.36177	1.01031	1.00000	0.96s
8490	0.35387	0.38836	0.91119	0.96667	0.96s
8491	0.35208	0.32837	1.07221	1.00000	0.96s
8492	0.37635	0.34114	1.10321	1.00000	0.97s
8493	0.36844	0.34558	1.06615	1.00000	0.96s
8494	0.35788	0.34049	1.05106	1.00000	0.95s
8495	0.36604	0.33658	1.08755	1.00000	0.97s
8496	0.34735	0.34581	1.00447	1.00000	0.96s
8497	0.35483	0.40916	0.86724	0.96667	0.95s
8498	0.34553	0.33796	1.02239	1.00000	0.95s
8499	0.34889	0.32617	1.06966	1.00000	0.96s
8500	0.35439	0.38140	0.92917	0.96667	0.96s
8501	0.34228	0.32874	1.04118	1.00000	0.96s
8502	0.33934	0.34754	0.97643	1.00000	0.95s
8503	0.33970	0.32706	1.03865	1.00000	0.96s
8504	0.39310	0.33814	1.16252	1.00000	0.96s
8505	0.34834	0.37742	0.92296	0.96667	0.95s
8506	0.35009	0.35872	0.97596	1.00000	0.96s
8507	0.35971	0.32962	1.09130	1.00000	0.95s
8508	0.37936	0.33303	1.13910	1.00000	0.96s
8509	0.37385	0.33695	1.10952	1.00000	0.96s
8510	0.34462	0.32753	1.05219	1.00000	0.96s
8511	0.36333	0.33008	1.10074	1.00000	0.96s
8512	0.35197	0.33181	1.06075	1.00000	0.96s

8513	0.34701	0.32833	1.05688	1.00000	0.97s
8514	0.38145	0.34194	1.11554	1.00000	0.95s
8515	0.34482	0.34921	0.98741	1.00000	0.97s
8516	0.36587	0.32829	1.11449	1.00000	0.97s
8517	0.36099	0.37029	0.97488	1.00000	0.95s
8518	0.34204	0.33375	1.02482	1.00000	0.96s
8519	0.39661	0.33480	1.18462	1.00000	0.96s
8520	0.34658	0.32944	1.05202	1.00000	0.95s
8521	0.34833	0.33945	1.02614	1.00000	0.96s
8522	0.37123	0.34587	1.07333	1.00000	0.95s
8523	0.37244	0.33697	1.10526	1.00000	0.96s
8524	0.34843	0.32875	1.05987	1.00000	0.97s
8525	0.37927	0.33164	1.14363	1.00000	0.96s
8526	0.34409	0.34431	0.99934	1.00000	0.96s
8527	0.35490	0.33306	1.06556	1.00000	0.96s
8528	0.34565	0.33254	1.03944	1.00000	0.95s
8529	0.35782	0.33916	1.05502	1.00000	0.96s
8530	0.38072	0.33608	1.13281	1.00000	0.96s
8531	0.35072	0.35159	0.99753	1.00000	0.97s
8532	0.35290	0.40396	0.87361	0.96667	0.96s
8533	0.34677	0.33690	1.02930	1.00000	0.96s
8534	0.36560	0.33230	1.10020	1.00000	0.96s
8535	0.40450	0.34380	1.17656	1.00000	0.96s
8536	0.36394	0.33189	1.09657	1.00000	0.96s
8537	0.34983	0.34928	1.00159	1.00000	0.95s
8538	0.39973	0.34209	1.16850	1.00000	0.96s
8539	0.37535	0.33634	1.11600	1.00000	0.97s
8540	0.34989	0.32793	1.06695	1.00000	0.96s
8541	0.35173	0.34738	1.01252	1.00000	0.96s
8542	0.42182	0.34812	1.21171	1.00000	0.97s
8543	0.35986	0.34206	1.05203	1.00000	0.96s
8544	0.34741	0.38168	0.91022	0.96667	0.96s
8545	0.34858	0.34271	1.01715	1.00000	0.96s
8546	0.35009	0.34052	1.02810	1.00000	0.96s
8547	0.37708	0.33313	1.13194	1.00000	0.96s
8548	0.34015	0.32702	1.04014	1.00000	0.97s
8549	0.39941	0.33644	1.18716	1.00000	0.96s
8550	0.35020	0.35651	0.98231	1.00000	0.96s
8551	0.34636	0.33422	1.03631	1.00000	0.96s
8552	0.38033	0.33662	1.12988	1.00000	0.96s
8553	0.35043	0.33040	1.06063	1.00000	0.96s
8554	0.37357	0.42605	0.87682	0.96667	0.96s
8555	0.35020	0.32907	1.06421	1.00000	0.97s
8556	0.35420	0.32598	1.08659	1.00000	0.96s
8557	0.34429	0.32343	1.06451	1.00000	0.95s
8558	0.34805	0.34495	1.00898	1.00000	0.96s
8559	0.40475	0.33105	1.22261	1.00000	0.95s
8560	0.35602	0.33613	1.05916	1.00000	0.96s
8561	0.34137	0.33068	1.03231	1.00000	0.96s
8562	0.34330	0.33720	1.01808	1.00000	0.96s
8563	0.34435	0.32500	1.05955	1.00000	0.96s
8564	0.37040	0.34021	1.08872	1.00000	0.96s
8565	0.33759	0.36159	0.93361	1.00000	0.97s
8566	0.36161	0.33288	1.08630	1.00000	0.96s

8567	0.40513	0.35034	1.15639	1.00000	0.96s
8568	0.33679	0.36693	0.91786	0.96667	0.98s
8569	0.35473	0.32811	1.08113	1.00000	0.95s
8570	0.37331	0.37380	0.99869	1.00000	0.96s
8571	0.34138	0.32360	1.05493	1.00000	0.96s
8572	0.36601	0.32382	1.13032	1.00000	0.96s
8573	0.40824	0.42104	0.96961	0.96667	0.96s
8574	0.34643	0.32645	1.06118	1.00000	0.96s
8575	0.35713	0.33827	1.05575	1.00000	0.96s
8576	0.34155	0.32601	1.04766	1.00000	0.95s
8577	0.34374	0.32948	1.04330	1.00000	0.96s
8578	0.36547	0.33241	1.09947	1.00000	0.95s
8579	0.41003	0.32429	1.26440	1.00000	0.96s
8580	0.36528	0.32499	1.12397	1.00000	0.97s
8581	0.35004	0.32459	1.07843	1.00000	0.96s
8582	0.34399	0.32242	1.06690	1.00000	0.96s
8583	0.36142	0.32822	1.10117	1.00000	0.95s
8584	0.38678	0.33410	1.15769	1.00000	0.95s
8585	0.35983	0.32285	1.11454	1.00000	0.96s
8586	0.34035	0.36592	0.93013	0.96667	0.96s
8587	0.37605	0.33330	1.12826	1.00000	0.97s
8588	0.33577	0.32214	1.04232	1.00000	0.95s
8589	0.34821	0.34498	1.00934	1.00000	0.95s
8590	0.35113	0.40734	0.86202	0.96667	0.95s
8591	0.34061	0.39942	0.85275	0.96667	0.96s
8592	0.34791	0.32334	1.07598	1.00000	0.95s
8593	0.36696	0.33958	1.08065	1.00000	0.96s
8594	0.36226	0.32435	1.11690	1.00000	0.96s
8595	0.33799	0.32299	1.04644	1.00000	0.96s
8596	0.34742	0.32766	1.06031	1.00000	0.96s
8597	0.35302	0.32547	1.08465	1.00000	0.95s
8598	0.35444	0.33862	1.04672	1.00000	0.96s
8599	0.37395	0.34525	1.08314	1.00000	0.97s
8600	0.34453	0.33902	1.01627	1.00000	0.96s
8601	0.34519	0.32871	1.05012	1.00000	0.96s
8602	0.35887	0.35729	1.00443	0.96667	0.97s
8603	0.35540	0.33501	1.06086	1.00000	0.95s
8604	0.35871	0.36222	0.99029	0.96667	0.96s
8605	0.33721	0.38060	0.88599	1.00000	0.96s
8606	0.36597	0.32670	1.12021	1.00000	0.96s
8607	0.35312	0.35554	0.99319	1.00000	0.96s
8608	0.35758	0.46740	0.76503	0.96667	0.96s
8609	0.34753	0.32439	1.07131	1.00000	0.96s
8610	0.37260	0.32568	1.14407	1.00000	0.96s
8611	0.35986	0.32969	1.09151	1.00000	0.98s
8612	0.38465	0.33084	1.16266	1.00000	0.95s
8613	0.35239	0.38189	0.92275	0.96667	0.96s
8614	0.34642	0.36039	0.96126	1.00000	0.96s
8615	0.37506	0.38923	0.96360	0.96667	0.95s
8616	0.36562	0.35440	1.03165	1.00000	0.96s
8617	0.34277	0.33512	1.02283	1.00000	0.97s
8618	0.34045	0.32919	1.03422	1.00000	0.96s
8619	0.34431	0.33524	1.02704	1.00000	0.96s
8620	0.39622	0.32769	1.20913	1.00000	0.96s

8621	0.35222	0.34588	1.01833	1.00000	0.96s
8622	0.36386	0.35484	1.02544	1.00000	0.95s
8623	0.35892	0.34132	1.05159	1.00000	0.96s
8624	0.34747	0.32996	1.05305	1.00000	0.95s
8625	0.35698	0.34577	1.03242	1.00000	0.96s
8626	0.37899	0.36175	1.04766	1.00000	0.97s
8627	0.33936	0.32314	1.05021	1.00000	0.96s
8628	0.34763	0.34062	1.02059	1.00000	0.95s
8629	0.35157	0.35301	0.99593	1.00000	0.96s
8630	0.34076	0.32410	1.05139	1.00000	0.96s
8631	0.35760	0.32495	1.10048	1.00000	0.95s
8632	0.33692	0.32492	1.03695	1.00000	0.97s
8633	0.38792	0.32998	1.17559	1.00000	0.97s
8634	0.33213	0.32782	1.01314	1.00000	0.95s
8635	0.35501	0.32951	1.07738	1.00000	0.96s
8636	0.33144	0.32418	1.02238	1.00000	0.96s
8637	0.35859	0.32346	1.10862	1.00000	0.96s
8638	0.33111	0.35711	0.92719	1.00000	0.96s
8639	0.33760	0.33030	1.02210	1.00000	0.95s
8640	0.37395	0.33033	1.13206	1.00000	0.96s
8641	0.35393	0.32413	1.09195	1.00000	0.96s
8642	0.43400	0.32499	1.33545	1.00000	0.95s
8643	0.33689	0.32774	1.02793	1.00000	0.97s
8644	0.35678	0.32126	1.11056	1.00000	0.96s
8645	0.34171	0.32792	1.04207	1.00000	0.96s
8646	0.35209	0.36908	0.95397	0.96667	0.95s
8647	0.35913	0.33071	1.08596	1.00000	0.96s
8648	0.36323	0.34755	1.04511	1.00000	0.96s
8649	0.37154	0.32671	1.13720	1.00000	0.95s
8650	0.36725	0.32322	1.13621	1.00000	0.97s
8651	0.33841	0.33693	1.00441	1.00000	0.96s
8652	0.35862	0.33379	1.07439	1.00000	0.97s
8653	0.34192	0.33923	1.00791	1.00000	0.96s
8654	0.35776	0.32855	1.08889	1.00000	0.97s
8655	0.40265	0.49392	0.81523	0.96667	0.95s
8656	0.36106	0.32544	1.10944	1.00000	0.96s
8657	0.34253	0.31968	1.07148	1.00000	0.96s
8658	0.34639	0.47882	0.72343	0.93333	0.96s
8659	0.35738	0.33190	1.07680	1.00000	0.96s
8660	0.34025	0.36394	0.93488	0.96667	0.95s
8661	0.34825	0.32217	1.08092	1.00000	0.96s
8662	0.34605	0.33256	1.04059	1.00000	0.95s
8663	0.34508	0.32622	1.05783	1.00000	0.97s
8664	0.38095	0.32089	1.18715	1.00000	0.96s
8665	0.33860	0.37107	0.91249	0.96667	0.96s
8666	0.34477	0.32321	1.06669	1.00000	0.96s
8667	0.34372	0.39389	0.87262	0.96667	0.96s
8668	0.36199	0.33220	1.08968	1.00000	0.96s
8669	0.33904	0.34680	0.97763	1.00000	0.96s
8670	0.35746	0.32619	1.09584	1.00000	0.97s
8671	0.35308	0.32843	1.07503	1.00000	0.96s
8672	0.33446	0.33220	1.00680	1.00000	0.96s
8673	0.36064	0.32608	1.10600	1.00000	0.96s
8674	0.34653	0.32351	1.07117	1.00000	0.95s

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   8675       0.36668       0.32897       1.11464       1.00000  0.96s
   8676       0.36036       0.31882       1.13030       1.00000  0.97s
   8677       0.33209       0.35222       0.94285       0.96667  0.96s
   8678       0.33204       0.38322       0.86645       0.96667  0.97s
   8679       0.41035       0.32479       1.26345       1.00000  0.96s
   8680       0.35856       0.33804       1.06070       1.00000  0.96s
   8681       0.33950       0.32041       1.05957       1.00000  0.95s
   8682       0.33936       0.31962       1.06175       1.00000  0.96s
   8683       0.33279       0.33326       0.99858       1.00000  0.96s
   8684       0.32825       0.38764       0.84678       0.96667  0.96s
   8685       0.33776       0.34706       0.97319       1.00000  0.96s
   8686       0.35358       0.31803       1.11177       1.00000  0.95s
   8687       0.34406       0.34191       1.00627       1.00000  0.95s
   8688       0.35386       0.31964       1.10706       1.00000  0.96s
   8689       0.37264       0.33652       1.10734       1.00000  0.95s
   8690       0.33313       0.32052       1.03934       1.00000  0.96s
   8691       0.33342       0.32087       1.03914       1.00000  0.96s
   8692       0.33665       0.32479       1.03654       1.00000  0.96s
   8693       0.34617       0.31866       1.08633       1.00000  0.95s
   8694       0.34956       0.33566       1.04143       1.00000  0.95s
   8695       0.33209       0.32179       1.03199       1.00000  0.96s
   8696       0.33261       0.34769       0.95661       1.00000  0.95s
   8697       0.34479       0.32588       1.05801       1.00000  0.97s
   8698       0.34910       0.31797       1.09791       1.00000  0.96s
   8699       0.33445       0.32831       1.01872       1.00000  0.96s
   8700       0.34075       0.32722       1.04133       1.00000  0.95s
Regularization term: 0.311995625496
2016-07-27 00:01:56,372 - root - INFO - Duration of saving to disk: 0:00:17
2016-07-27 00:02:05,775 - root - INFO - Duration of validation: 0:00:09
   8701       0.38261       0.32244       1.18658       1.00000  0.99s
   8702       0.35547       0.32802       1.08366       1.00000  0.96s
   8703       0.36964       0.31976       1.15601       1.00000  0.97s
   8704       0.35374       0.32477       1.08921       1.00000  0.96s
   8705       0.32608       0.33049       0.98666       1.00000  0.96s
   8706       0.33670       0.32661       1.03091       1.00000  0.97s
   8707       0.34672       0.32187       1.07718       1.00000  0.96s
   8708       0.38031       0.32482       1.17080       1.00000  0.96s
   8709       0.36107       0.32002       1.12827       1.00000  0.96s
   8710       0.33332       0.32425       1.02798       1.00000  0.95s
   8711       0.33466       0.32661       1.02468       1.00000  0.95s
   8712       0.33134       0.32065       1.03334       1.00000  0.95s
   8713       0.35354       0.32124       1.10056       1.00000  0.96s
   8714       0.34582       0.32738       1.05632       1.00000  0.95s
   8715       0.33088       0.32859       1.00699       1.00000  0.95s
   8716       0.38247       0.32322       1.18332       1.00000  0.97s
   8717       0.37406       0.32989       1.13390       1.00000  0.96s
   8718       0.33786       0.32089       1.05289       1.00000  0.96s
   8719       0.37260       0.32255       1.15515       1.00000  0.96s
   8720       0.33386       0.32477       1.02799       1.00000  0.96s
   8721       0.34814       0.33773       1.03081       1.00000  0.96s
   8722       0.35791       0.32048       1.11679       1.00000  0.96s
   8723       0.35273       0.32242       1.09398       1.00000  0.96s
   8724       0.34757       0.33511       1.03716       1.00000  0.96s
   8725       0.33638       0.33145       1.01485       1.00000  0.96s
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8726	0.32767	0.33189	0.98729	1.00000	0.96s
8727	0.41929	0.35389	1.18481	1.00000	0.96s
8728	0.33292	0.33045	1.00749	1.00000	0.96s
8729	0.38611	0.32700	1.18076	1.00000	0.97s
8730	0.33836	0.32933	1.02740	1.00000	0.96s
8731	0.33371	0.33585	0.99362	1.00000	0.95s
8732	0.32744	0.35362	0.92595	1.00000	0.96s
8733	0.33441	0.34799	0.96098	1.00000	0.96s
8734	0.34775	0.32878	1.05770	1.00000	0.97s
8735	0.36220	0.32525	1.11360	1.00000	0.95s
8736	0.33258	0.34629	0.96039	0.96667	0.95s
8737	0.33511	0.33172	1.01024	1.00000	0.97s
8738	0.34825	0.31839	1.09377	1.00000	0.95s
8739	0.33577	0.34549	0.97187	1.00000	0.95s
8740	0.33759	0.32053	1.05324	1.00000	0.97s
8741	0.35489	0.31718	1.11889	1.00000	0.96s
8742	0.34586	0.32076	1.07826	1.00000	0.96s
8743	0.35833	0.31750	1.12858	1.00000	0.96s
8744	0.36179	0.32423	1.11583	1.00000	0.96s
8745	0.37208	0.31964	1.16407	1.00000	0.96s
8746	0.32738	0.31657	1.03415	1.00000	0.96s
8747	0.35121	0.32507	1.08042	1.00000	0.96s
8748	0.33462	0.32640	1.02517	1.00000	0.95s
8749	0.40356	0.32054	1.25898	1.00000	0.96s
8750	0.34770	0.32132	1.08212	1.00000	0.97s
8751	0.33803	0.33814	0.99968	1.00000	0.96s
8752	0.34758	0.32513	1.06907	1.00000	0.95s
8753	0.37007	0.33281	1.11195	1.00000	0.95s
8754	0.35773	0.33116	1.08025	1.00000	0.96s
8755	0.35065	0.32129	1.09138	1.00000	0.95s
8756	0.33437	0.32481	1.02943	1.00000	0.96s
8757	0.32959	0.31903	1.03309	1.00000	0.95s
8758	0.36367	0.32843	1.10731	1.00000	0.95s
8759	0.34166	0.31795	1.07459	1.00000	0.96s
8760	0.38224	0.31633	1.20837	1.00000	0.96s
8761	0.35128	0.32084	1.09488	1.00000	0.96s
8762	0.33257	0.32550	1.02172	1.00000	0.97s
8763	0.33172	0.31919	1.03927	1.00000	0.96s
8764	0.36490	0.35152	1.03807	1.00000	0.95s
8765	0.34443	0.31678	1.08730	1.00000	0.96s
8766	0.33884	0.31567	1.07339	1.00000	0.96s
8767	0.33221	0.31724	1.04716	1.00000	0.95s
8768	0.35691	0.35386	1.00861	0.96667	0.96s
8769	0.34236	0.31857	1.07467	1.00000	0.96s
8770	0.38263	0.31930	1.19833	1.00000	0.97s
8771	0.34508	0.33275	1.03706	1.00000	0.96s
8772	0.36953	0.37170	0.99416	0.96667	0.96s
8773	0.36421	0.31948	1.13998	1.00000	0.96s
8774	0.33566	0.32827	1.02250	1.00000	0.96s
8775	0.38751	0.31914	1.21425	1.00000	0.95s
8776	0.33640	0.32670	1.02970	1.00000	0.96s
8777	0.34040	0.31835	1.06928	1.00000	0.96s
8778	0.35150	0.42013	0.83664	0.96667	0.96s
8779	0.33989	0.31983	1.06274	1.00000	0.96s

8780	0.36480	0.32835	1.11100	1.00000	0.96s
8781	0.33803	0.31950	1.05801	1.00000	0.97s
8782	0.33378	0.38559	0.86564	1.00000	0.96s
8783	0.36326	0.32250	1.12639	1.00000	0.97s
8784	0.34807	0.33503	1.03894	1.00000	0.96s
8785	0.34314	0.31949	1.07402	1.00000	0.96s
8786	0.33875	0.32055	1.05678	1.00000	0.97s
8787	0.34848	0.31839	1.09450	1.00000	0.96s
8788	0.33324	0.31827	1.04703	1.00000	0.95s
8789	0.35815	0.34988	1.02363	0.96667	0.96s
8790	0.33611	0.32253	1.04210	1.00000	0.97s
8791	0.33693	0.33095	1.01807	1.00000	0.96s
8792	0.33504	0.31718	1.05631	1.00000	0.96s
8793	0.33903	0.31682	1.07009	1.00000	0.96s
8794	0.33165	0.33003	1.00490	1.00000	0.96s
8795	0.34144	0.31600	1.08052	1.00000	0.96s
8796	0.41746	0.31735	1.31544	1.00000	0.96s
8797	0.34049	0.34145	0.99718	1.00000	0.96s
8798	0.33658	0.35583	0.94592	0.96667	0.97s
8799	0.35883	0.32463	1.10536	1.00000	0.96s
8800	0.35490	0.37341	0.95043	0.96667	0.96s
8801	0.33660	0.31967	1.05295	1.00000	0.96s
8802	0.34973	0.32333	1.08165	1.00000	0.96s
8803	0.33553	0.31993	1.04877	1.00000	0.95s
8804	0.34709	0.31877	1.08884	1.00000	0.96s
8805	0.34524	0.48680	0.70921	0.96667	0.96s
8806	0.32894	0.32029	1.02703	1.00000	0.96s
8807	0.33793	0.31726	1.06514	1.00000	0.96s
8808	0.32715	0.36656	0.89249	0.96667	0.96s
8809	0.33137	0.31849	1.04044	1.00000	0.96s
8810	0.42334	0.32552	1.30049	1.00000	0.96s
8811	0.33771	0.31841	1.06062	1.00000	0.97s
8812	0.34136	0.32068	1.06446	1.00000	0.96s
8813	0.34867	0.31832	1.09535	1.00000	0.96s
8814	0.33634	0.32326	1.04045	1.00000	0.96s
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8816	0.35167	0.32006	1.09876	1.00000	0.95s
8817	0.37762	0.31920	1.18304	1.00000	0.96s
8818	0.32954	0.31949	1.03147	1.00000	0.96s
8819	0.34231	0.32403	1.05641	1.00000	0.96s
8820	0.33591	0.34913	0.96214	1.00000	0.95s
8821	0.33984	0.37161	0.91452	0.96667	0.96s
8822	0.35556	0.32100	1.10764	1.00000	0.95s
8823	0.33575	0.31405	1.06910	1.00000	0.95s
8824	0.33576	0.36665	0.91575	0.96667	0.95s
8825	0.37893	0.31690	1.19574	1.00000	0.95s
8826	0.33921	0.35330	0.96012	0.96667	0.96s
8827	0.43191	0.33619	1.28473	1.00000	0.97s
8828	0.34518	0.34188	1.00964	1.00000	0.96s
8829	0.33929	0.31867	1.06470	1.00000	0.96s
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8831	0.37517	0.31830	1.17867	1.00000	0.95s
8832	0.33365	0.31582	1.05644	1.00000	0.96s
8833	0.33204	0.32862	1.01039	1.00000	0.98s

8834	0.35367	0.31481	1.12345	1.00000	0.96s
8835	0.32865	0.31629	1.03906	1.00000	0.95s
8836	0.32669	0.32745	0.99765	1.00000	0.96s
8837	0.35306	0.31728	1.11278	1.00000	0.96s
8838	0.35705	0.32656	1.09336	1.00000	0.95s
8839	0.33188	0.43630	0.76067	0.96667	0.96s
8840	0.32973	0.33426	0.98644	1.00000	0.96s
8841	0.33146	0.31483	1.05280	1.00000	0.95s
8842	0.34732	0.31667	1.09679	1.00000	0.96s
8843	0.33894	0.31322	1.08211	1.00000	0.96s
8844	0.36358	0.31657	1.14848	1.00000	0.96s
8845	0.36506	0.31543	1.15734	1.00000	0.96s
8846	0.33674	0.37692	0.89339	0.96667	0.96s
8847	0.32362	0.31417	1.03010	1.00000	0.96s
8848	0.32764	0.31293	1.04699	1.00000	0.96s
8849	0.34765	0.31778	1.09402	1.00000	0.96s
8850	0.35325	0.32710	1.07994	1.00000	0.96s
8851	0.33274	0.31628	1.05204	1.00000	0.96s
8852	0.32756	0.31845	1.02863	1.00000	0.96s
8853	0.35064	0.32001	1.09573	1.00000	0.95s
8854	0.33499	0.31444	1.06535	1.00000	0.97s
8855	0.36295	0.32251	1.12540	1.00000	0.96s
8856	0.33516	0.32099	1.04414	1.00000	0.96s
8857	0.33300	0.31458	1.05854	1.00000	0.96s
8858	0.32616	0.31642	1.03079	1.00000	0.98s
8859	0.32824	0.31818	1.03161	1.00000	0.96s
8860	0.35123	0.31536	1.11377	1.00000	0.96s
8861	0.39072	0.33214	1.17638	1.00000	0.96s
8862	0.33034	0.31548	1.04711	1.00000	0.96s
8863	0.33010	0.33786	0.97702	1.00000	0.96s
8864	0.32664	0.32885	0.99327	1.00000	0.96s
8865	0.38839	0.35885	1.08232	1.00000	0.95s
8866	0.33201	0.31732	1.04632	1.00000	0.96s
8867	0.35165	0.32398	1.08540	1.00000	0.96s
8868	0.38100	0.32188	1.18368	1.00000	0.96s
8869	0.35233	0.32150	1.09589	1.00000	0.96s
8870	0.32356	0.45200	0.71584	0.96667	0.96s
8871	0.34044	0.32167	1.05834	1.00000	0.95s
8872	0.35845	0.31755	1.12882	1.00000	0.96s
8873	0.32632	0.32204	1.01330	1.00000	0.96s
8874	0.33236	0.34267	0.96992	1.00000	0.96s
8875	0.32455	0.31790	1.02092	1.00000	0.96s
8876	0.35079	0.35872	0.97788	1.00000	0.95s
8877	0.32462	0.31150	1.04212	1.00000	0.96s
8878	0.34888	0.31272	1.11563	1.00000	0.96s
8879	0.36321	0.31447	1.15501	1.00000	0.97s
8880	0.33780	0.31141	1.08476	1.00000	0.95s
8881	0.33269	0.31462	1.05743	1.00000	0.96s
8882	0.33046	0.32516	1.01628	1.00000	0.96s
8883	0.36391	0.34387	1.05828	0.96667	0.96s
8884	0.34925	0.34365	1.01630	1.00000	0.97s
8885	0.33229	0.31779	1.04562	1.00000	0.96s
8886	0.35209	0.31446	1.11964	1.00000	0.96s
8887	0.33261	0.32173	1.03383	1.00000	0.95s

8888	0.37471	0.40858	0.91710	0.96667	0.96s
8889	0.35372	0.31328	1.12909	1.00000	0.96s
8890	0.34096	0.31474	1.08331	1.00000	0.95s
8891	0.32605	0.31216	1.04450	1.00000	0.96s
8892	0.34781	0.31473	1.10511	1.00000	0.96s
8893	0.36464	0.32783	1.11230	1.00000	0.97s
8894	0.34776	0.31480	1.10472	1.00000	0.96s
8895	0.32481	0.31223	1.04032	1.00000	0.96s
8896	0.32430	0.31331	1.03507	1.00000	0.96s
8897	0.34748	0.31420	1.10591	1.00000	0.96s
8898	0.33536	0.31298	1.07151	1.00000	0.96s
8899	0.33491	0.31824	1.05238	1.00000	0.96s
8900	0.33698	0.36152	0.93212	0.96667	0.96s
8901	0.33981	0.34611	0.98179	1.00000	0.95s
8902	0.39691	0.32074	1.23749	1.00000	0.96s
8903	0.32921	0.31174	1.05604	1.00000	0.96s
8904	0.34280	0.31242	1.09723	1.00000	0.96s
8905	0.34330	0.36180	0.94885	0.96667	0.96s
8906	0.32676	0.31154	1.04884	1.00000	0.96s
8907	0.34315	0.34366	0.99853	1.00000	0.97s
8908	0.33658	0.34097	0.98713	1.00000	0.96s
8909	0.36242	0.35598	1.01810	0.96667	0.96s
8910	0.34275	0.31993	1.07134	1.00000	0.96s
8911	0.34097	0.31081	1.09705	1.00000	0.95s
8912	0.32202	0.31593	1.01925	1.00000	0.95s
8913	0.32242	0.31359	1.02813	1.00000	0.97s
8914	0.34278	0.31272	1.09613	1.00000	0.97s
8915	0.37603	0.31665	1.18752	1.00000	0.96s
8916	0.32723	0.31156	1.05031	1.00000	0.97s
8917	0.33789	0.31281	1.08017	1.00000	0.96s
8918	0.32958	0.31656	1.04111	1.00000	0.96s
8919	0.32471	0.35622	0.91155	0.96667	0.96s
8920	0.32715	0.35638	0.91798	0.96667	0.96s
8921	0.34327	0.31220	1.09954	1.00000	0.95s
8922	0.32278	0.38795	0.83203	0.96667	0.96s
8923	0.32968	0.31434	1.04878	1.00000	0.95s
8924	0.33360	0.43631	0.76460	0.96667	0.96s
8925	0.33046	0.34431	0.95978	1.00000	0.97s
8926	0.32153	0.45680	0.70387	0.96667	0.95s
8927	0.35230	0.31144	1.13121	1.00000	0.96s
8928	0.36177	0.31280	1.15657	1.00000	0.96s
8929	0.32164	0.31768	1.01247	1.00000	0.96s
8930	0.32548	0.31484	1.03377	1.00000	0.96s
8931	0.34228	0.31230	1.09599	1.00000	0.96s
8932	0.33770	0.30976	1.09022	1.00000	0.95s
8933	0.34010	0.37214	0.91390	0.96667	0.96s
8934	0.36287	0.36571	0.99223	0.96667	0.96s
8935	0.32414	0.33457	0.96884	1.00000	0.96s
8936	0.35343	0.30938	1.14239	1.00000	0.96s
8937	0.33667	0.31028	1.08503	1.00000	0.96s
8938	0.32765	0.33692	0.97249	1.00000	0.96s
8939	0.33548	0.31588	1.06205	1.00000	0.96s
8940	0.32193	0.32895	0.97866	1.00000	0.96s
8941	0.33518	0.31275	1.07169	1.00000	0.96s

8942	0.32726	0.31348	1.04396	1.00000	0.96s
8943	0.33740	0.32751	1.03020	1.00000	0.97s
8944	0.33187	0.31115	1.06662	1.00000	0.95s
8945	0.33946	0.31339	1.08320	1.00000	0.96s
8946	0.35615	0.38098	0.93482	0.96667	0.95s
8947	0.33478	0.32406	1.03308	1.00000	0.95s
8948	0.33722	0.34507	0.97725	1.00000	0.96s
8949	0.35056	0.34638	1.01207	0.96667	0.96s
8950	0.33164	0.32144	1.03174	1.00000	0.96s
8951	0.32208	0.32158	1.00156	1.00000	0.97s
8952	0.32595	0.35350	0.92208	0.96667	0.96s
8953	0.34839	0.31480	1.10671	1.00000	0.96s
8954	0.33534	0.31717	1.05730	1.00000	0.95s
8955	0.32775	0.30969	1.05832	1.00000	0.97s
8956	0.33550	0.31023	1.08145	1.00000	0.97s
8957	0.32746	0.31018	1.05570	1.00000	0.96s
8958	0.36973	0.31314	1.18074	1.00000	0.96s
8959	0.38794	0.39612	0.97935	0.96667	0.96s
8960	0.33158	0.31215	1.06223	1.00000	0.95s
8961	0.32296	0.31405	1.02838	1.00000	0.95s
8962	0.33378	0.31184	1.07038	1.00000	0.96s
8963	0.36294	0.31384	1.15647	1.00000	0.96s
8964	0.34212	0.31248	1.09488	1.00000	0.95s
8965	0.32810	0.30856	1.06334	1.00000	0.97s
8966	0.32578	0.30976	1.05171	1.00000	0.96s
8967	0.36276	0.31757	1.14231	1.00000	0.96s
8968	0.31964	0.33058	0.96691	1.00000	0.96s
8969	0.33079	0.32369	1.02195	1.00000	0.95s
8970	0.35398	0.32176	1.10013	1.00000	0.97s
8971	0.31885	0.34918	0.91313	0.96667	0.96s
8972	0.33736	0.30774	1.09626	1.00000	0.96s
8973	0.32755	0.31354	1.04469	1.00000	0.95s
8974	0.33571	0.32283	1.03991	1.00000	0.96s
8975	0.32116	0.32359	0.99249	1.00000	0.96s
8976	0.34714	0.31174	1.11356	1.00000	0.95s
8977	0.33322	0.30863	1.07969	1.00000	0.96s
8978	0.32745	0.36041	0.90855	0.96667	0.95s
8979	0.32918	0.30956	1.06338	1.00000	0.97s
8980	0.33142	0.32559	1.01790	1.00000	0.96s
8981	0.33673	0.30957	1.08773	1.00000	0.95s
8982	0.32240	0.32371	0.99595	1.00000	0.95s
8983	0.35337	0.37710	0.93708	0.96667	0.96s
8984	0.33038	0.32754	1.00867	1.00000	0.96s
8985	0.32792	0.36525	0.89780	0.96667	0.95s
8986	0.38161	0.30955	1.23277	1.00000	0.97s
8987	0.33216	0.30940	1.07355	1.00000	0.95s
8988	0.32398	0.33427	0.96920	1.00000	0.96s
8989	0.37396	0.32413	1.15375	1.00000	0.96s
8990	0.33610	0.31190	1.07760	1.00000	0.96s
8991	0.33683	0.32372	1.04050	1.00000	0.96s
8992	0.32621	0.30867	1.05682	1.00000	0.96s
8993	0.36546	0.31608	1.15620	1.00000	0.96s
8994	0.34248	0.32793	1.04439	1.00000	0.96s
8995	0.33737	0.31457	1.07248	1.00000	0.95s

8996	0.32854	0.31824	1.03237	1.00000	0.96s
8997	0.35597	0.34807	1.02268	1.00000	0.96s
8998	0.39610	0.38747	1.02227	0.96667	0.95s
8999	0.36607	0.31953	1.14565	1.00000	0.95s
9000	0.36049	0.31359	1.14954	1.00000	0.95s
9001	0.33639	0.34257	0.98197	1.00000	0.96s
9002	0.32549	0.31092	1.04688	1.00000	0.96s
9003	0.32285	0.31194	1.03495	1.00000	0.98s
9004	0.34712	0.39344	0.88226	0.96667	0.95s
9005	0.32236	0.31095	1.03671	1.00000	0.96s
9006	0.32919	0.34509	0.95394	0.96667	0.96s
9007	0.31907	0.31092	1.02622	1.00000	0.95s
9008	0.36343	0.31421	1.15666	1.00000	0.96s
9009	0.32912	0.30551	1.07728	1.00000	0.96s
9010	0.32356	0.32194	1.00502	1.00000	0.96s
9011	0.33108	0.30834	1.07375	1.00000	0.96s
9012	0.34112	0.30773	1.10852	1.00000	0.96s
9013	0.36821	0.30507	1.20699	1.00000	0.96s
9014	0.34080	0.34845	0.97804	0.96667	0.96s
9015	0.35601	0.30865	1.15344	1.00000	0.96s
9016	0.33188	0.38553	0.86083	0.96667	0.95s
9017	0.33798	0.30892	1.09405	1.00000	0.96s
9018	0.34246	0.30635	1.11787	1.00000	0.97s
9019	0.32664	0.30600	1.06744	1.00000	0.95s
9020	0.33062	0.31415	1.05242	1.00000	0.94s
9021	0.33237	0.35899	0.92583	1.00000	0.95s
9022	0.36646	0.33129	1.10617	1.00000	0.97s
9023	0.33788	0.30630	1.10311	1.00000	0.96s
9024	0.34218	0.31239	1.09539	1.00000	0.95s
9025	0.32180	0.42995	0.74846	0.96667	0.96s
9026	0.33143	0.30881	1.07325	1.00000	0.96s
9027	0.31805	0.30955	1.02745	1.00000	0.96s
9028	0.33008	0.32953	1.00167	1.00000	0.96s
9029	0.33828	0.30951	1.09294	1.00000	0.96s
9030	0.33456	0.30775	1.08713	1.00000	0.96s
9031	0.33674	0.30899	1.08979	1.00000	0.96s
9032	0.38424	0.30641	1.25401	1.00000	0.96s
9033	0.31609	0.31192	1.01339	1.00000	0.96s
9034	0.34392	0.32975	1.04295	1.00000	0.96s
9035	0.36646	0.31483	1.16399	1.00000	0.95s
9036	0.35991	0.32259	1.11568	1.00000	0.96s
9037	0.38799	0.45672	0.84952	0.96667	0.96s
9038	0.33869	0.31329	1.08106	1.00000	0.97s
9039	0.34591	0.30733	1.12551	1.00000	0.96s
9040	0.32938	0.42540	0.77430	0.96667	0.96s
9041	0.33413	0.30589	1.09229	1.00000	0.96s
9042	0.32909	0.30900	1.06501	1.00000	0.96s
9043	0.32715	0.30716	1.06509	1.00000	0.96s
9044	0.35830	0.31252	1.14650	1.00000	0.97s
9045	0.32872	0.33812	0.97219	1.00000	0.96s
9046	0.39835	0.35458	1.12344	1.00000	0.95s
9047	0.32055	0.33299	0.96265	1.00000	0.96s
9048	0.33266	0.30842	1.07859	1.00000	0.95s
9049	0.34626	0.30859	1.12207	1.00000	0.97s

9050	0.32345	0.35732	0.90522	0.96667	0.95s
9051	0.34976	0.31289	1.11784	1.00000	0.97s
9052	0.33913	0.31162	1.08828	1.00000	0.95s
9053	0.32056	0.31884	1.00539	1.00000	0.97s
9054	0.32402	0.31049	1.04356	1.00000	0.97s
9055	0.33643	0.31207	1.07808	1.00000	0.95s
9056	0.33125	0.31070	1.06615	1.00000	0.97s
9057	0.33941	0.30721	1.10479	1.00000	0.96s
9058	0.43786	0.31468	1.39148	1.00000	0.96s
9059	0.39290	0.32760	1.19932	1.00000	0.97s
9060	0.34136	0.35118	0.97205	0.96667	0.96s
9061	0.33045	0.37428	0.88287	0.96667	0.96s
9062	0.33551	0.31310	1.07154	1.00000	0.96s
9063	0.37326	0.32702	1.14140	1.00000	0.96s
9064	0.31910	0.31862	1.00152	1.00000	0.96s
9065	0.32523	0.31368	1.03680	1.00000	0.96s
9066	0.32936	0.30766	1.07054	1.00000	0.96s
9067	0.32762	0.35210	0.93048	0.96667	0.96s
9068	0.32231	0.31416	1.02594	1.00000	0.96s
9069	0.41386	0.34073	1.21463	1.00000	0.96s
9070	0.34033	0.31121	1.09359	1.00000	0.97s
9071	0.31990	0.30855	1.03680	1.00000	0.97s
9072	0.32281	0.35865	0.90008	0.96667	0.97s
9073	0.32296	0.32340	0.99864	1.00000	0.97s
9074	0.32219	0.30582	1.05354	1.00000	0.96s
9075	0.39645	0.31010	1.27849	1.00000	0.97s
9076	0.33639	0.31359	1.07271	1.00000	0.95s
9077	0.32886	0.36168	0.90926	0.96667	0.97s
9078	0.34703	0.31542	1.10023	1.00000	0.96s
9079	0.32173	0.30754	1.04616	1.00000	0.97s
9080	0.33236	0.30618	1.08552	1.00000	0.95s
9081	0.35194	0.30778	1.14346	1.00000	0.96s
9082	0.31634	0.34668	0.91247	0.96667	0.96s
9083	0.33179	0.30471	1.08886	1.00000	0.95s
9084	0.36716	0.31480	1.16634	1.00000	0.96s
9085	0.32751	0.31685	1.03366	1.00000	0.96s
9086	0.33367	0.30488	1.09444	1.00000	0.95s
9087	0.32647	0.31002	1.05307	1.00000	0.97s
9088	0.31766	0.32177	0.98722	1.00000	0.97s
9089	0.36567	0.31145	1.17409	1.00000	0.97s
9090	0.32557	0.34892	0.93307	1.00000	0.96s
9091	0.33796	0.33137	1.01990	1.00000	0.96s
9092	0.32416	0.36920	0.87799	0.96667	0.96s
9093	0.32573	0.48418	0.67274	0.93333	0.96s
9094	0.34574	0.31016	1.11472	1.00000	0.97s
9095	0.31855	0.36063	0.88332	0.96667	0.96s
9096	0.33943	0.35117	0.96657	0.96667	0.97s
9097	0.32746	0.33421	0.97979	1.00000	0.95s
9098	0.34013	0.32110	1.05925	1.00000	0.96s
9099	0.32357	0.31399	1.03050	1.00000	0.96s
9100	0.34476	0.31603	1.09091	1.00000	0.96s
9101	0.32487	0.32253	1.00727	1.00000	0.96s
9102	0.36649	0.34351	1.06690	1.00000	0.95s
9103	0.35619	0.33347	1.06812	1.00000	0.96s

9104	0.34019	0.30869	1.10205	1.00000	0.96s
9105	0.35719	0.31950	1.11794	1.00000	0.96s
9106	0.32903	0.31121	1.05725	1.00000	0.96s
9107	0.34682	0.30937	1.12105	1.00000	0.96s
9108	0.32359	0.31412	1.03013	1.00000	0.96s
9109	0.33651	0.31040	1.08410	1.00000	0.96s
9110	0.32287	0.31263	1.03275	1.00000	0.95s
9111	0.32467	0.32749	0.99139	1.00000	0.96s
9112	0.31553	0.31418	1.00429	1.00000	0.97s
9113	0.36418	0.31789	1.14560	1.00000	0.96s
9114	0.36718	0.31796	1.15481	1.00000	0.96s
9115	0.33183	0.32767	1.01271	1.00000	0.97s
9116	0.33570	0.30505	1.10046	1.00000	0.96s
9117	0.33885	0.45409	0.74621	0.96667	0.96s
9118	0.33707	0.31562	1.06796	1.00000	0.96s
9119	0.36115	0.32411	1.11426	1.00000	0.97s
9120	0.31747	0.33089	0.95945	1.00000	0.96s
9121	0.31766	0.30492	1.04180	1.00000	0.96s
9122	0.31889	0.38576	0.82666	0.96667	0.96s
9123	0.38447	0.31443	1.22274	1.00000	0.97s
9124	0.33168	0.30755	1.07846	1.00000	0.96s
9125	0.33652	0.34168	0.98491	0.96667	0.96s
9126	0.32805	0.31236	1.05023	1.00000	0.97s
9127	0.32838	0.33392	0.98341	1.00000	0.95s
9128	0.33248	0.31487	1.05591	1.00000	0.97s
9129	0.32400	0.39982	0.81037	0.96667	0.95s
9130	0.32741	0.31248	1.04778	1.00000	0.96s
9131	0.31156	0.38888	0.80118	1.00000	0.95s
9132	0.36037	0.30767	1.17129	1.00000	0.96s
9133	0.36825	0.41900	0.87888	0.96667	0.96s
9134	0.33706	0.31422	1.07270	1.00000	0.96s
9135	0.33375	0.39062	0.85441	1.00000	0.97s
9136	0.36982	0.38603	0.95802	0.96667	0.96s
9137	0.36730	0.30958	1.18645	1.00000	0.96s
9138	0.34372	0.33562	1.02413	1.00000	0.96s
9139	0.34607	0.38150	0.90712	0.96667	0.96s
9140	0.31789	0.35023	0.90765	1.00000	0.97s
9141	0.33544	0.39842	0.84193	1.00000	0.97s
9142	0.32174	0.34089	0.94382	1.00000	0.97s
9143	0.33256	0.35848	0.92770	0.96667	0.95s
9144	0.34275	0.32041	1.06971	1.00000	0.96s
9145	0.33896	0.31160	1.08779	1.00000	0.95s
9146	0.32354	0.31460	1.02841	1.00000	0.97s
9147	0.35622	0.32993	1.07970	1.00000	0.97s
9148	0.33548	0.33128	1.01270	1.00000	0.96s
9149	0.35650	0.43177	0.82565	0.96667	0.96s
9150	0.32326	0.33259	0.97194	1.00000	0.96s
9151	0.32374	0.31596	1.02462	1.00000	0.95s
9152	0.34159	0.34789	0.98189	1.00000	0.95s
9153	0.37028	0.44121	0.83924	0.96667	0.96s
9154	0.33039	0.30541	1.08178	1.00000	0.97s
9155	0.32526	0.32010	1.01613	1.00000	0.98s
9156	0.33870	0.33506	1.01085	1.00000	0.97s
9157	0.34289	0.31001	1.10608	1.00000	0.96s

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   9158       0.32692       0.31541       1.03651       1.00000  0.96s
   9159       0.32254       0.35093       0.91911       0.96667  0.97s
   9160       0.36284       0.31557       1.14979       1.00000  0.95s
   9161       0.32198       0.31432       1.02435       1.00000  0.96s
   9162       0.36188       0.30618       1.18192       1.00000  0.96s
   9163       0.32374       0.31607       1.02426       1.00000  0.95s
   9164       0.32362       0.38633       0.83768       1.00000  0.95s
   9165       0.32013       0.34205       0.93591       1.00000  0.96s
   9166       0.33972       0.30638       1.10881       1.00000  0.96s
   9167       0.36410       0.30566       1.19120       1.00000  0.97s
   9168       0.31407       0.30667       1.02412       1.00000  0.95s
   9169       0.32232       0.30999       1.03976       1.00000  0.96s
   9170       0.33783       0.35696       0.94640       0.96667  0.97s
   9171       0.34641       0.37105       0.93359       0.96667  0.96s
   9172       0.34783       0.35064       0.99198       0.96667  0.96s
   9173       0.34587       0.48641       0.71108       0.93333  0.96s
   9174       0.35658       0.30188       1.18122       1.00000  0.96s
   9175       0.32699       0.36994       0.88391       0.96667  0.97s
   9176       0.34091       0.32171       1.05969       1.00000  0.95s
   9177       0.32658       0.30205       1.08123       1.00000  0.96s
   9178       0.33778       0.33027       1.02275       1.00000  0.96s
   9179       0.31531       0.33719       0.93511       0.96667  0.96s
   9180       0.32304       0.31789       1.01621       1.00000  0.96s
   9181       0.34229       0.31543       1.08515       1.00000  0.96s
   9182       0.33092       0.31043       1.06603       1.00000  0.96s
   9183       0.33430       0.30293       1.10355       1.00000  0.97s
   9184       0.31280       0.30392       1.02923       1.00000  0.96s
   9185       0.36379       0.30485       1.19334       1.00000  0.95s
   9186       0.32488       0.32349       1.00429       1.00000  0.96s
   9187       0.37979       0.30624       1.24020       1.00000  0.96s
   9188       0.33097       0.30527       1.08420       1.00000  0.95s
   9189       0.31977       0.30624       1.04418       1.00000  0.96s
   9190       0.32374       0.32359       1.00046       1.00000  0.95s
   9191       0.32032       0.30285       1.05770       1.00000  0.96s
   9192       0.35163       0.31848       1.10407       1.00000  0.95s
   9193       0.32107       0.31676       1.01363       1.00000  0.97s
   9194       0.35667       0.31337       1.13818       1.00000  0.96s
   9195       0.33358       0.31153       1.07079       1.00000  0.96s
   9196       0.32240       0.30141       1.06962       1.00000  0.97s
   9197       0.31900       0.30827       1.03482       1.00000  0.96s
   9198       0.34182       0.31276       1.09290       1.00000  0.96s
   9199       0.32743       0.30978       1.05698       1.00000  0.96s
   9200       0.33887       0.33437       1.01345       1.00000  0.96s
Regularization term: 0.295615494251
2016-07-27 00:10:30,568 - root - INFO - Duration of saving to disk: 0:00:17
2016-07-27 00:10:40,435 - root - INFO - Duration of validation: 0:00:09
   9201       0.32695       0.30817       1.06093       1.00000  0.97s
   9202       0.32383       0.32603       0.99327       1.00000  0.95s
   9203       0.33033       0.30508       1.08277       1.00000  0.97s
   9204       0.31929       0.37984       0.84060       0.96667  0.97s
   9205       0.43734       0.36726       1.19082       0.96667  0.96s
   9206       0.32881       0.32758       1.00373       1.00000  0.96s
   9207       0.33519       0.32978       1.01641       1.00000  0.96s
   9208       0.33411       0.30916       1.08068       1.00000  0.96s
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9209	0.38531	0.30529	1.26214	1.00000	0.96s
9210	0.33869	0.30229	1.12039	1.00000	0.96s
9211	0.33211	0.31158	1.06590	1.00000	0.97s
9212	0.33327	0.30593	1.08935	1.00000	0.96s
9213	0.34187	0.30178	1.13282	1.00000	0.96s
9214	0.31621	0.30498	1.03684	1.00000	0.96s
9215	0.32037	0.30615	1.04645	1.00000	0.97s
9216	0.31924	0.30432	1.04903	1.00000	0.97s
9217	0.32698	0.32091	1.01893	1.00000	0.96s
9218	0.31502	0.32287	0.97569	1.00000	0.97s
9219	0.32673	0.31880	1.02487	1.00000	0.96s
9220	0.32691	0.36323	0.90001	0.96667	0.95s
9221	0.32381	0.32917	0.98373	1.00000	0.96s
9222	0.37009	0.30974	1.19484	1.00000	0.96s
9223	0.36512	0.30571	1.19434	1.00000	0.96s
9224	0.35102	0.31734	1.10614	1.00000	0.95s
9225	0.35872	0.31172	1.15079	1.00000	0.96s
9226	0.36334	0.31822	1.14179	1.00000	0.95s
9227	0.32312	0.30434	1.06170	1.00000	0.96s
9228	0.31706	0.31414	1.00930	1.00000	0.97s
9229	0.36241	0.35709	1.01492	0.96667	0.96s
9230	0.36160	0.30447	1.18764	1.00000	0.96s
9231	0.32524	0.31971	1.01730	1.00000	0.97s
9232	0.31615	0.31084	1.01708	1.00000	0.96s
9233	0.32730	0.30301	1.08017	1.00000	0.96s
9234	0.34920	0.31243	1.11767	1.00000	0.96s
9235	0.31873	0.31167	1.02264	1.00000	0.95s
9236	0.38922	0.30749	1.26581	1.00000	0.96s
9237	0.32979	0.34133	0.96617	1.00000	0.96s
9238	0.32125	0.33466	0.95994	1.00000	0.96s
9239	0.32156	0.32251	0.99707	1.00000	0.95s
9240	0.31527	0.32714	0.96372	1.00000	0.96s
9241	0.37864	0.32090	1.17994	1.00000	0.97s
9242	0.34462	0.39143	0.88040	0.96667	0.96s
9243	0.35828	0.31017	1.15510	1.00000	0.95s
9244	0.35347	0.31049	1.13841	1.00000	0.98s
9245	0.35244	0.30616	1.15116	1.00000	0.96s
9246	0.36346	0.31052	1.17048	1.00000	0.96s
9247	0.31683	0.31084	1.01925	1.00000	0.97s
9248	0.33015	0.32216	1.02479	1.00000	0.96s
9249	0.34285	0.30784	1.11374	1.00000	0.96s
9250	0.36505	0.30513	1.19639	1.00000	0.97s
9251	0.36936	0.31430	1.17518	1.00000	0.96s
9252	0.33643	0.34290	0.98114	0.96667	0.97s
9253	0.33360	0.30767	1.08430	1.00000	0.96s
9254	0.36552	0.31546	1.15870	1.00000	0.96s
9255	0.39554	0.30950	1.27802	1.00000	0.96s
9256	0.32197	0.35810	0.89911	0.96667	0.95s
9257	0.32216	0.31674	1.01709	1.00000	0.97s
9258	0.31853	0.31447	1.01291	1.00000	0.96s
9259	0.33581	0.30491	1.10136	1.00000	0.96s
9260	0.32853	0.31668	1.03742	1.00000	0.97s
9261	0.32441	0.30860	1.05120	1.00000	0.96s
9262	0.36727	0.31305	1.17322	1.00000	0.96s

9263	0.33374	0.35351	0.94405	0.96667	0.97s
9264	0.31442	0.30979	1.01494	1.00000	0.96s
9265	0.33074	0.31437	1.05207	1.00000	0.96s
9266	0.32463	0.42580	0.76239	0.96667	0.97s
9267	0.32770	0.30506	1.07419	1.00000	0.96s
9268	0.32922	0.33159	0.99284	1.00000	0.96s
9269	0.32995	0.31590	1.04445	1.00000	0.96s
9270	0.32111	0.32421	0.99045	1.00000	0.97s
9271	0.32481	0.31261	1.03904	1.00000	0.96s
9272	0.31953	0.30776	1.03823	1.00000	0.97s
9273	0.34136	0.31137	1.09631	1.00000	0.96s
9274	0.34101	0.34027	1.00218	1.00000	0.95s
9275	0.39293	0.32167	1.22152	1.00000	0.97s
9276	0.32228	0.31451	1.02468	1.00000	0.96s
9277	0.32247	0.30492	1.05757	1.00000	0.96s
9278	0.33686	0.31577	1.06679	1.00000	0.97s
9279	0.32350	0.31359	1.03160	1.00000	0.96s
9280	0.34804	0.30720	1.13293	1.00000	0.96s
9281	0.33700	0.41398	0.81405	0.96667	0.96s
9282	0.42706	0.30727	1.38985	1.00000	0.96s
9283	0.34969	0.30419	1.14958	1.00000	0.97s
9284	0.37596	0.30695	1.22481	1.00000	0.95s
9285	0.34521	0.31048	1.11186	1.00000	0.96s
9286	0.33491	0.30394	1.10190	1.00000	0.96s
9287	0.33479	0.30900	1.08345	1.00000	0.96s
9288	0.35200	0.30579	1.15111	1.00000	0.96s
9289	0.33344	0.31242	1.06731	1.00000	0.96s
9290	0.32582	0.30695	1.06149	1.00000	0.96s
9291	0.33353	0.30872	1.08037	1.00000	0.95s
9292	0.35077	0.30748	1.14079	1.00000	0.95s
9293	0.35897	0.31132	1.15306	1.00000	0.97s
9294	0.40402	0.31685	1.27514	1.00000	0.96s
9295	0.31407	0.36556	0.85915	0.96667	0.96s
9296	0.31852	0.32007	0.99515	1.00000	0.96s
9297	0.32464	0.31816	1.02035	1.00000	0.96s
9298	0.32352	0.30462	1.06204	1.00000	0.96s
9299	0.32906	0.49074	0.67053	0.93333	0.96s
9300	0.31923	0.31514	1.01297	1.00000	0.96s
9301	0.34367	0.35070	0.97995	0.96667	0.95s
9302	0.35001	0.30567	1.14504	1.00000	0.97s
9303	0.32935	0.30828	1.06832	1.00000	0.97s
9304	0.34029	0.30317	1.12242	1.00000	0.95s
9305	0.31772	0.30679	1.03564	1.00000	0.96s
9306	0.34944	0.30954	1.12889	1.00000	0.96s
9307	0.34142	0.31674	1.07792	1.00000	0.96s
9308	0.36473	0.30301	1.20366	1.00000	0.96s
9309	0.36352	0.30409	1.19542	1.00000	0.96s
9310	0.33495	0.30793	1.08775	1.00000	0.95s
9311	0.32606	0.30396	1.07270	1.00000	0.96s
9312	0.34857	0.34133	1.02122	0.96667	0.96s
9313	0.36384	0.30858	1.17907	1.00000	0.96s
9314	0.31565	0.30232	1.04409	1.00000	0.97s
9315	0.34385	0.32385	1.06178	1.00000	0.97s
9316	0.34910	0.30803	1.13333	1.00000	0.96s

9317	0.33442	0.30588	1.09330	1.00000	0.96s
9318	0.32361	0.30657	1.05557	1.00000	0.96s
9319	0.35428	0.37756	0.93836	0.96667	0.95s
9320	0.32936	0.36420	0.90435	0.96667	0.96s
9321	0.34560	0.30109	1.14784	1.00000	0.97s
9322	0.31728	0.34550	0.91833	1.00000	0.96s
9323	0.33359	0.31971	1.04343	1.00000	0.96s
9324	0.34116	0.30141	1.13187	1.00000	0.96s
9325	0.34472	0.30716	1.12227	1.00000	0.96s
9326	0.32417	0.30468	1.06399	1.00000	0.95s
9327	0.32700	0.30955	1.05637	1.00000	0.96s
9328	0.33092	0.31708	1.04365	1.00000	0.96s
9329	0.33819	0.32487	1.04100	1.00000	0.96s
9330	0.34983	0.30383	1.15138	1.00000	0.97s
9331	0.31453	0.30345	1.03651	1.00000	0.96s
9332	0.34301	0.31247	1.09775	1.00000	0.96s
9333	0.31205	0.30730	1.01546	1.00000	0.96s
9334	0.32299	0.30738	1.05077	1.00000	0.97s
9335	0.41238	0.30647	1.34558	1.00000	0.96s
9336	0.33940	0.31312	1.08392	1.00000	0.97s
9337	0.33398	0.30238	1.10450	1.00000	0.97s
9338	0.33506	0.33723	0.99356	1.00000	0.97s
9339	0.34778	0.31056	1.11983	1.00000	0.95s
9340	0.31862	0.31919	0.99820	1.00000	0.96s
9341	0.32234	0.30189	1.06774	1.00000	0.96s
9342	0.34244	0.30578	1.11990	1.00000	0.95s
9343	0.31765	0.31830	0.99796	1.00000	0.96s
9344	0.35122	0.30324	1.15820	1.00000	0.96s
9345	0.31646	0.31021	1.02015	1.00000	0.96s
9346	0.34744	0.41324	0.84076	0.96667	0.96s
9347	0.34195	0.30597	1.11761	1.00000	0.96s
9348	0.33692	0.34602	0.97370	1.00000	0.96s
9349	0.34374	0.30823	1.11521	1.00000	0.95s
9350	0.34185	0.32308	1.05812	1.00000	0.97s
9351	0.32049	0.30689	1.04431	1.00000	0.96s
9352	0.33383	0.30749	1.08564	1.00000	0.97s
9353	0.34683	0.34815	0.99621	0.96667	0.96s
9354	0.32355	0.30681	1.05456	1.00000	0.96s
9355	0.33677	0.31858	1.05707	1.00000	0.97s
9356	0.33625	0.32607	1.03120	1.00000	0.97s
9357	0.34143	0.35604	0.95899	1.00000	0.95s
9358	0.33546	0.30503	1.09976	1.00000	0.96s
9359	0.32777	0.31286	1.04766	1.00000	0.96s
9360	0.35986	0.30942	1.16302	1.00000	0.96s
9361	0.31587	0.33426	0.94498	1.00000	0.96s
9362	0.32467	0.30402	1.06792	1.00000	0.96s
9363	0.33076	0.30375	1.08895	1.00000	0.96s
9364	0.32986	0.30579	1.07871	1.00000	0.97s
9365	0.31911	0.30282	1.05380	1.00000	0.96s
9366	0.32563	0.31336	1.03916	1.00000	0.96s
9367	0.32744	0.31195	1.04968	1.00000	0.96s
9368	0.33807	0.32037	1.05526	1.00000	0.95s
9369	0.35881	0.30867	1.16244	1.00000	0.96s
9370	0.34633	0.34698	0.99810	0.96667	0.97s

9371	0.31891	0.31999	0.99661	1.00000	0.97s
9372	0.35432	0.31026	1.14201	1.00000	0.96s
9373	0.37402	0.30556	1.22406	1.00000	0.97s
9374	0.32069	0.31296	1.02470	1.00000	0.95s
9375	0.31567	0.30966	1.01939	1.00000	0.97s
9376	0.32761	0.32487	1.00843	1.00000	0.96s
9377	0.32326	0.30763	1.05081	1.00000	0.95s
9378	0.31978	0.31786	1.00603	1.00000	0.96s
9379	0.32766	0.31054	1.05512	1.00000	0.96s
9380	0.32214	0.30416	1.05910	1.00000	0.96s
9381	0.31393	0.31539	0.99537	1.00000	0.97s
9382	0.31543	0.31271	1.00871	1.00000	0.96s
9383	0.34222	0.31301	1.09330	1.00000	0.96s
9384	0.33054	0.31299	1.05606	1.00000	0.96s
9385	0.32532	0.31868	1.02082	1.00000	0.96s
9386	0.39580	0.32533	1.21664	1.00000	0.96s
9387	0.32504	0.31550	1.03024	1.00000	0.96s
9388	0.33467	0.31824	1.05162	1.00000	0.96s
9389	0.34896	0.30413	1.14740	1.00000	0.95s
9390	0.32623	0.33702	0.96798	1.00000	0.96s
9391	0.34318	0.36570	0.93841	0.96667	0.96s
9392	0.33350	0.31236	1.06766	1.00000	0.96s
9393	0.35085	0.30923	1.13458	1.00000	0.96s
9394	0.41357	0.35291	1.17191	1.00000	0.96s
9395	0.36465	0.31451	1.15940	1.00000	0.96s
9396	0.34371	0.31440	1.09322	1.00000	0.96s
9397	0.33428	0.30656	1.09042	1.00000	0.96s
9398	0.38247	0.30348	1.26029	1.00000	0.97s
9399	0.37251	0.31516	1.18197	1.00000	0.95s
9400	0.32777	0.32532	1.00754	1.00000	0.96s
9401	0.32505	0.31062	1.04645	1.00000	0.96s
9402	0.31731	0.39051	0.81254	0.96667	0.96s
9403	0.35395	0.32078	1.10340	1.00000	0.95s
9404	0.32611	0.32043	1.01773	1.00000	0.96s
9405	0.36239	0.31515	1.14991	1.00000	0.96s
9406	0.34668	0.41065	0.84423	0.96667	0.96s
9407	0.39027	0.31096	1.25504	1.00000	0.96s
9408	0.33245	0.33098	1.00443	1.00000	0.96s
9409	0.32832	0.32542	1.00892	1.00000	0.96s
9410	0.32521	0.30781	1.05654	1.00000	0.96s
9411	0.32830	0.32136	1.02159	1.00000	0.96s
9412	0.34060	0.34209	0.99566	0.96667	0.96s
9413	0.31258	0.32461	0.96292	1.00000	0.96s
9414	0.32154	0.37388	0.86001	0.96667	0.97s
9415	0.32766	0.30376	1.07868	1.00000	0.95s
9416	0.35123	0.30488	1.15203	1.00000	0.96s
9417	0.32650	0.36534	0.89367	0.96667	0.96s
9418	0.35359	0.41903	0.84383	0.96667	0.97s
9419	0.34734	0.30652	1.13318	1.00000	0.95s
9420	0.34908	0.30815	1.13282	1.00000	0.96s
9421	0.35907	0.30610	1.17303	1.00000	0.96s
9422	0.32775	0.32246	1.01639	1.00000	0.96s
9423	0.32112	0.33095	0.97028	1.00000	0.96s
9424	0.34424	0.32874	1.04712	1.00000	0.96s

9425	0.31976	0.31355	1.01980	1.00000	0.96s
9426	0.32775	0.30432	1.07702	1.00000	0.97s
9427	0.32568	0.31409	1.03690	1.00000	0.96s
9428	0.36306	0.30537	1.18893	1.00000	0.96s
9429	0.32443	0.32865	0.98717	1.00000	0.96s
9430	0.31886	0.31630	1.00809	1.00000	0.97s
9431	0.34548	0.30544	1.13110	1.00000	0.97s
9432	0.32094	0.30203	1.06264	1.00000	0.96s
9433	0.34877	0.30779	1.13313	1.00000	0.97s
9434	0.32012	0.30783	1.03994	1.00000	0.95s
9435	0.32005	0.30864	1.03696	1.00000	0.96s
9436	0.35268	0.31264	1.12806	1.00000	0.96s
9437	0.31080	0.30862	1.00706	1.00000	0.98s
9438	0.32447	0.30618	1.05974	1.00000	0.94s
9439	0.33056	0.32649	1.01248	1.00000	0.96s
9440	0.34043	0.30999	1.09818	1.00000	0.96s
9441	0.31791	0.31186	1.01940	1.00000	0.96s
9442	0.35049	0.30464	1.15051	1.00000	0.97s
9443	0.33112	0.30639	1.08071	1.00000	0.97s
9444	0.31712	0.30792	1.02986	1.00000	0.95s
9445	0.34148	0.32271	1.05818	1.00000	0.97s
9446	0.34436	0.30561	1.12682	1.00000	0.96s
9447	0.33729	0.30334	1.11191	1.00000	0.96s
9448	0.35883	0.31028	1.15646	1.00000	0.96s
9449	0.33066	0.30293	1.09154	1.00000	0.95s
9450	0.32958	0.31433	1.04854	1.00000	0.96s
9451	0.36135	0.30777	1.17408	1.00000	0.96s
9452	0.34777	0.30275	1.14871	1.00000	0.96s
9453	0.34303	0.33712	1.01753	1.00000	0.96s
9454	0.32338	0.45873	0.70493	0.96667	0.96s
9455	0.32172	0.30779	1.04527	1.00000	0.96s
9456	0.31419	0.31312	1.00340	1.00000	0.96s
9457	0.33901	0.30979	1.09433	1.00000	0.96s
9458	0.32218	0.31117	1.03540	1.00000	0.96s
9459	0.31638	0.30888	1.02430	1.00000	0.96s
9460	0.33100	0.32028	1.03348	1.00000	0.96s
9461	0.32204	0.31437	1.02440	1.00000	0.97s
9462	0.33052	0.31418	1.05202	1.00000	0.96s
9463	0.33436	0.44460	0.75205	0.93333	0.98s
9464	0.33990	0.30990	1.09679	1.00000	0.96s
9465	0.38548	0.30921	1.24667	1.00000	0.96s
9466	0.36982	0.32701	1.13089	1.00000	0.96s
9467	0.33818	0.30673	1.10254	1.00000	0.96s
9468	0.32900	0.32380	1.01606	1.00000	0.96s
9469	0.35143	0.32102	1.09474	1.00000	0.96s
9470	0.31817	0.35026	0.90839	0.96667	0.96s
9471	0.33435	0.33753	0.99058	0.96667	0.95s
9472	0.33029	0.30947	1.06729	1.00000	0.95s
9473	0.31616	0.30266	1.04459	1.00000	0.96s
9474	0.33336	0.30341	1.09873	1.00000	0.96s
9475	0.33451	0.33074	1.01138	1.00000	0.96s
9476	0.31728	0.30778	1.03086	1.00000	0.96s
9477	0.32082	0.31877	1.00642	1.00000	0.96s
9478	0.32929	0.30269	1.08787	1.00000	0.96s

9479	0.33815	0.31794	1.06356	1.00000	0.96s
9480	0.32259	0.30483	1.05824	1.00000	0.96s
9481	0.38558	0.30861	1.24938	1.00000	0.96s
9482	0.35030	0.30457	1.15015	1.00000	0.97s
9483	0.31962	0.30993	1.03128	1.00000	0.96s
9484	0.32566	0.32414	1.00469	1.00000	0.96s
9485	0.34113	0.35057	0.97307	0.96667	0.96s
9486	0.31688	0.40984	0.77318	0.96667	0.95s
9487	0.32727	0.32171	1.01731	1.00000	0.96s
9488	0.33397	0.32999	1.01207	1.00000	0.96s
9489	0.35329	0.30863	1.14471	1.00000	0.96s
9490	0.31670	0.48506	0.65291	0.93333	0.96s
9491	0.34400	0.32959	1.04372	1.00000	0.96s
9492	0.32242	0.30756	1.04830	1.00000	0.96s
9493	0.39526	0.30968	1.27638	1.00000	0.95s
9494	0.32358	0.31169	1.03817	1.00000	0.97s
9495	0.32474	0.30410	1.06789	1.00000	0.96s
9496	0.32779	0.32540	1.00734	1.00000	0.97s
9497	0.31253	0.30803	1.01462	1.00000	0.95s
9498	0.36333	0.30619	1.18661	1.00000	0.97s
9499	0.36679	0.31103	1.17926	1.00000	0.96s
9500	0.33899	0.32290	1.04985	1.00000	0.96s
9501	0.35808	0.30830	1.16148	1.00000	0.95s
9502	0.32555	0.30239	1.07656	1.00000	0.97s
9503	0.33538	0.33805	0.99210	1.00000	0.96s
9504	0.34064	0.30868	1.10352	1.00000	0.96s
9505	0.31869	0.32538	0.97945	1.00000	0.96s
9506	0.33626	0.30502	1.10242	1.00000	0.96s
9507	0.33806	0.30612	1.10433	1.00000	0.95s
9508	0.34110	0.32082	1.06322	1.00000	0.95s
9509	0.32949	0.30411	1.08348	1.00000	0.96s
9510	0.33389	0.31664	1.05449	1.00000	0.96s
9511	0.32119	0.30795	1.04300	1.00000	0.95s
9512	0.33534	0.30220	1.10965	1.00000	0.96s
9513	0.31971	0.30406	1.05146	1.00000	0.96s
9514	0.33091	0.31231	1.05954	1.00000	0.96s
9515	0.34759	0.30586	1.13642	1.00000	0.96s
9516	0.34446	0.38686	0.89039	0.96667	0.97s
9517	0.32695	0.32124	1.01775	1.00000	0.96s
9518	0.32522	0.30364	1.07107	1.00000	0.97s
9519	0.32010	0.31065	1.03043	1.00000	0.96s
9520	0.34507	0.34548	0.99882	0.96667	0.97s
9521	0.32786	0.30561	1.07282	1.00000	0.96s
9522	0.31997	0.30624	1.04483	1.00000	0.97s
9523	0.38728	0.31398	1.23348	1.00000	0.96s
9524	0.32894	0.31638	1.03969	1.00000	0.95s
9525	0.31439	0.32059	0.98068	1.00000	0.96s
9526	0.32148	0.31026	1.03615	1.00000	0.96s
9527	0.32115	0.32705	0.98194	1.00000	0.95s
9528	0.32227	0.31029	1.03861	1.00000	0.97s
9529	0.32381	0.31001	1.04450	1.00000	0.96s
9530	0.40740	0.31188	1.30626	1.00000	0.96s
9531	0.31929	0.30722	1.03928	1.00000	0.96s
9532	0.32627	0.30343	1.07527	1.00000	0.96s

9533	0.34865	0.30859	1.12983	1.00000	0.95s
9534	0.31941	0.30417	1.05010	1.00000	0.95s
9535	0.32841	0.30537	1.07544	1.00000	0.96s
9536	0.32024	0.31081	1.03036	1.00000	0.95s
9537	0.32897	0.32074	1.02564	1.00000	0.95s
9538	0.34320	0.31251	1.09820	1.00000	0.96s
9539	0.32856	0.31110	1.05614	1.00000	0.95s
9540	0.33545	0.31227	1.07424	1.00000	0.96s
9541	0.36083	0.31179	1.15729	1.00000	0.96s
9542	0.31506	0.30617	1.02904	1.00000	0.96s
9543	0.32638	0.40211	0.81167	0.96667	0.96s
9544	0.32083	0.30553	1.05007	1.00000	0.96s
9545	0.32793	0.31396	1.04452	1.00000	0.96s
9546	0.32917	0.31380	1.04897	1.00000	0.97s
9547	0.32956	0.30525	1.07965	1.00000	0.96s
9548	0.32031	0.31117	1.02938	1.00000	0.96s
9549	0.33748	0.30445	1.10850	1.00000	0.96s
9550	0.31473	0.30546	1.03034	1.00000	0.96s
9551	0.32954	0.30699	1.07345	1.00000	0.97s
9552	0.31779	0.30403	1.04527	1.00000	0.96s
9553	0.33136	0.30593	1.08313	1.00000	0.97s
9554	0.34972	0.31501	1.11017	1.00000	0.96s
9555	0.33355	0.30765	1.08419	1.00000	0.97s
9556	0.33628	0.30806	1.09163	1.00000	0.97s
9557	0.34779	0.35332	0.98433	1.00000	0.96s
9558	0.35122	0.30710	1.14365	1.00000	0.96s
9559	0.33537	0.30931	1.08427	1.00000	0.96s
9560	0.33806	0.32036	1.05526	1.00000	0.96s
9561	0.36926	0.31423	1.17513	1.00000	0.96s
9562	0.34570	0.33046	1.04609	1.00000	0.97s
9563	0.31339	0.30763	1.01872	1.00000	0.96s
9564	0.32488	0.31173	1.04220	1.00000	0.96s
9565	0.31549	0.30751	1.02596	1.00000	0.95s
9566	0.31991	0.31572	1.01327	1.00000	0.96s
9567	0.31176	0.32367	0.96320	1.00000	0.95s
9568	0.32339	0.32322	1.00053	1.00000	0.96s
9569	0.36822	0.31001	1.18775	1.00000	0.96s
9570	0.31470	0.31047	1.01362	1.00000	0.96s
9571	0.33202	0.30599	1.08507	1.00000	0.96s
9572	0.34959	0.31788	1.09976	1.00000	0.97s
9573	0.34425	0.36292	0.94857	1.00000	0.95s
9574	0.33152	0.30812	1.07595	1.00000	0.96s
9575	0.33024	0.31038	1.06400	1.00000	0.96s
9576	0.35017	0.30897	1.13333	1.00000	0.96s
9577	0.32031	0.30941	1.03522	1.00000	0.95s
9578	0.33837	0.33904	0.99800	0.96667	0.97s
9579	0.33681	0.32323	1.04201	1.00000	0.96s
9580	0.34521	0.31141	1.10854	1.00000	0.96s
9581	0.33825	0.31328	1.07973	1.00000	0.96s
9582	0.32242	0.30412	1.06017	1.00000	0.96s
9583	0.32592	0.30740	1.06025	1.00000	0.97s
9584	0.32903	0.30647	1.07361	1.00000	0.96s
9585	0.33370	0.30794	1.08365	1.00000	0.96s
9586	0.35051	0.31306	1.11960	1.00000	0.96s

9587	0.38031	0.33068	1.15007	1.00000	0.96s
9588	0.36849	0.30537	1.20669	1.00000	0.96s
9589	0.33448	0.30689	1.08988	1.00000	0.96s
9590	0.32108	0.31995	1.00353	1.00000	0.96s
9591	0.35003	0.30489	1.14806	1.00000	0.96s
9592	0.32290	0.31523	1.02433	1.00000	0.96s
9593	0.33448	0.34250	0.97661	1.00000	0.97s
9594	0.32494	0.31314	1.03770	1.00000	0.96s
9595	0.31169	0.30317	1.02810	1.00000	0.96s
9596	0.32871	0.30706	1.07050	1.00000	0.97s
9597	0.32555	0.36673	0.88772	0.96667	0.96s
9598	0.37910	0.31057	1.22065	1.00000	0.97s
9599	0.33103	0.30589	1.08221	1.00000	0.96s
9600	0.33116	0.30724	1.07785	1.00000	0.96s
9601	0.31977	0.30552	1.04663	1.00000	0.96s
9602	0.31250	0.34391	0.90868	1.00000	0.97s
9603	0.32326	0.31650	1.02133	1.00000	0.95s
9604	0.32091	0.31201	1.02852	1.00000	0.96s
9605	0.33458	0.36660	0.91264	0.96667	0.96s
9606	0.39912	0.32682	1.22122	1.00000	0.95s
9607	0.32330	0.31826	1.01583	1.00000	0.96s
9608	0.33273	0.31419	1.05901	1.00000	0.96s
9609	0.31768	0.30923	1.02731	1.00000	0.96s
9610	0.35489	0.31508	1.12634	1.00000	0.95s
9611	0.34277	0.30496	1.12398	1.00000	0.97s
9612	0.34323	0.30428	1.12801	1.00000	0.96s
9613	0.32643	0.31798	1.02656	1.00000	0.96s
9614	0.33909	0.30729	1.10347	1.00000	0.95s
9615	0.33379	0.30247	1.10353	1.00000	0.96s
9616	0.35284	0.32136	1.09797	1.00000	0.97s
9617	0.35652	0.32897	1.08374	1.00000	0.97s
9618	0.33153	0.47261	0.70149	0.93333	0.96s
9619	0.34425	0.34587	0.99532	1.00000	0.96s
9620	0.34710	0.31307	1.10871	1.00000	0.97s
9621	0.34898	0.30437	1.14654	1.00000	0.96s
9622	0.32278	0.32797	0.98416	1.00000	0.96s
9623	0.32004	0.34105	0.93839	1.00000	0.97s
9624	0.34344	0.31394	1.09395	1.00000	0.97s
9625	0.35438	0.31370	1.12966	1.00000	0.97s
9626	0.35131	0.31342	1.12091	1.00000	0.95s
9627	0.32569	0.30327	1.07396	1.00000	0.97s
9628	0.33140	0.30497	1.08668	1.00000	0.96s
9629	0.39450	0.31577	1.24933	1.00000	0.97s
9630	0.33226	0.31263	1.06281	1.00000	0.97s
9631	0.32106	0.37278	0.86127	0.96667	0.96s
9632	0.33952	0.30927	1.09779	1.00000	0.96s
9633	0.32296	0.30562	1.05673	1.00000	0.96s
9634	0.32977	0.30586	1.07817	1.00000	0.96s
9635	0.37757	0.31998	1.18000	1.00000	0.96s
9636	0.33042	0.30925	1.06845	1.00000	0.96s
9637	0.32575	0.30752	1.05930	1.00000	0.96s
9638	0.37061	0.31698	1.16916	1.00000	0.96s
9639	0.37152	0.32619	1.13899	1.00000	0.97s
9640	0.32526	0.31176	1.04330	1.00000	0.95s

9641	0.32960	0.42358	0.77814	0.96667	0.96s
9642	0.35541	0.32198	1.10385	1.00000	0.96s
9643	0.33539	0.30858	1.08687	1.00000	0.96s
9644	0.32737	0.30717	1.06574	1.00000	0.96s
9645	0.33057	0.38049	0.86879	0.96667	0.96s
9646	0.31885	0.37906	0.84115	0.96667	0.96s
9647	0.38489	0.30623	1.25687	1.00000	0.95s
9648	0.38150	0.30584	1.24736	1.00000	0.96s
9649	0.34068	0.31006	1.09876	1.00000	0.97s
9650	0.32249	0.50618	0.63711	0.96667	0.96s
9651	0.31842	0.34260	0.92943	1.00000	0.96s
9652	0.31627	0.33634	0.94033	1.00000	0.96s
9653	0.32960	0.33259	0.99100	1.00000	0.97s
9654	0.37427	0.31946	1.17156	1.00000	0.96s
9655	0.31241	0.32300	0.96722	1.00000	0.95s
9656	0.37639	0.31911	1.17951	1.00000	0.95s
9657	0.33471	0.31872	1.05015	1.00000	0.97s
9658	0.34135	0.31856	1.07154	1.00000	0.97s
9659	0.34968	0.37260	0.93847	0.96667	0.96s
9660	0.34030	0.45519	0.74761	0.96667	0.96s
9661	0.38436	0.34508	1.11384	1.00000	0.97s
9662	0.33740	0.30864	1.09316	1.00000	0.96s
9663	0.32166	0.31057	1.03573	1.00000	0.96s
9664	0.32362	0.30564	1.05884	1.00000	0.96s
9665	0.35717	0.30955	1.15382	1.00000	0.96s
9666	0.34268	0.31463	1.08915	1.00000	0.96s
9667	0.32663	0.32098	1.01757	1.00000	0.97s
9668	0.31411	0.30985	1.01374	1.00000	0.97s
9669	0.33279	0.30752	1.08219	1.00000	0.96s
9670	0.36247	0.33887	1.06966	1.00000	0.96s
9671	0.32213	0.32302	0.99726	1.00000	0.95s
9672	0.33749	0.30828	1.09472	1.00000	0.95s
9673	0.32511	0.32165	1.01073	1.00000	0.96s
9674	0.31279	0.31947	0.97907	1.00000	0.95s
9675	0.31863	0.34951	0.91165	0.96667	0.97s
9676	0.41008	0.31561	1.29930	1.00000	0.97s
9677	0.33671	0.33381	1.00868	0.96667	0.97s
9678	0.31718	0.31170	1.01760	1.00000	0.96s
9679	0.33964	0.32974	1.03003	1.00000	0.96s
9680	0.37465	0.31906	1.17423	1.00000	0.97s
9681	0.33221	0.31837	1.04346	1.00000	0.97s
9682	0.31478	0.33211	0.94782	1.00000	0.95s
9683	0.32613	0.32212	1.01245	1.00000	0.96s
9684	0.32204	0.31066	1.03662	1.00000	0.96s
9685	0.40217	0.31069	1.29445	1.00000	0.97s
9686	0.37124	0.30946	1.19963	1.00000	0.96s
9687	0.33060	0.31662	1.04414	1.00000	0.96s
9688	0.31803	0.31371	1.01375	1.00000	0.96s
9689	0.36951	0.43675	0.84604	0.96667	0.96s
9690	0.35359	0.31517	1.12190	1.00000	0.97s
9691	0.32616	0.30597	1.06599	1.00000	0.95s
9692	0.32175	0.33252	0.96759	1.00000	0.97s
9693	0.34844	0.31696	1.09931	1.00000	0.97s
9694	0.35140	0.32011	1.09774	1.00000	0.96s

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   9695       0.31798       0.42064       0.75594       0.96667  0.96s
   9696       0.35979       0.31196       1.15335       1.00000  0.97s
   9697       0.35808       0.41392       0.86508       0.93333  0.95s
   9698       0.32094       0.30824       1.04120       1.00000  0.97s
   9699       0.41810       0.30429       1.37402       1.00000  0.96s
   9700       0.34069       0.30426       1.11973       1.00000  0.96s
Regularization term: 0.296519964933
2016-07-27 00:19:04,829 - root - INFO - Duration of saving to disk: 0:00:17
2016-07-27 00:19:17,070 - root - INFO - Duration of validation: 0:00:12
   9701       0.38932       0.31284       1.24447       1.00000  0.96s
   9702       0.31512       0.30773       1.02404       1.00000  0.96s
   9703       0.32166       0.30351       1.05980       1.00000  0.96s
   9704       0.36063       0.34867       1.03430       1.00000  0.96s
   9705       0.32200       0.33895       0.94998       1.00000  0.95s
   9706       0.32457       0.30625       1.05983       1.00000  0.95s
   9707       0.32723       0.32248       1.01470       1.00000  0.96s
   9708       0.33936       0.35171       0.96490       0.96667  0.96s
   9709       0.31921       0.33643       0.94881       1.00000  0.96s
   9710       0.34337       0.31421       1.09281       1.00000  0.97s
   9711       0.37182       0.31075       1.19650       1.00000  0.96s
   9712       0.33437       0.33044       1.01187       1.00000  0.95s
   9713       0.32092       0.30555       1.05028       1.00000  0.96s
   9714       0.35107       0.34467       1.01855       1.00000  0.96s
   9715       0.37113       0.37808       0.98162       0.96667  0.96s
   9716       0.31847       0.31263       1.01868       1.00000  0.95s
   9717       0.36875       0.30430       1.21179       1.00000  0.96s
   9718       0.33581       0.31709       1.05903       1.00000  0.95s
   9719       0.32860       0.30917       1.06283       1.00000  0.96s
   9720       0.34683       0.31758       1.09211       1.00000  0.96s
   9721       0.37504       0.40033       0.93684       0.96667  0.96s
   9722       0.34443       0.34129       1.00922       0.96667  0.96s
   9723       0.33207       0.31887       1.04141       1.00000  0.96s
   9724       0.34445       0.35945       0.95825       0.96667  0.95s
   9725       0.33420       0.30583       1.09275       1.00000  0.96s
   9726       0.34835       0.30970       1.12481       1.00000  0.97s
   9727       0.31945       0.30638       1.04264       1.00000  0.95s
   9728       0.34436       0.30461       1.13047       1.00000  0.96s
   9729       0.35335       0.31402       1.12525       1.00000  0.96s
   9730       0.43717       0.32333       1.35206       1.00000  0.96s
   9731       0.31917       0.30466       1.04762       1.00000  0.96s
   9732       0.32479       0.32766       0.99123       1.00000  0.97s
   9733       0.32831       0.31539       1.04097       1.00000  0.96s
   9734       0.32757       0.34320       0.95445       1.00000  0.96s
   9735       0.31909       0.31212       1.02234       1.00000  0.95s
   9736       0.32206       0.30449       1.05770       1.00000  0.96s
   9737       0.33286       0.34069       0.97702       1.00000  0.97s
   9738       0.33896       0.30712       1.10370       1.00000  0.95s
   9739       0.34245       0.30928       1.10725       1.00000  0.96s
   9740       0.33225       0.30382       1.09358       1.00000  0.95s
   9741       0.34146       0.31960       1.06840       1.00000  0.96s
   9742       0.34949       0.32225       1.08454       1.00000  0.96s
   9743       0.35531       0.31656       1.12241       1.00000  0.96s
   9744       0.33721       0.31149       1.08258       1.00000  0.95s
   9745       0.32157       0.30844       1.04259       1.00000  0.96s
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9746	0.37666	0.33701	1.11765	0.96667	0.96s
9747	0.34613	0.30940	1.11872	1.00000	0.96s
9748	0.32556	0.30456	1.06897	1.00000	0.96s
9749	0.32184	0.30883	1.04213	1.00000	0.96s
9750	0.33419	0.31061	1.07591	1.00000	0.96s
9751	0.32657	0.31048	1.05181	1.00000	0.96s
9752	0.31714	0.31832	0.99627	1.00000	0.96s
9753	0.34151	0.30747	1.11072	1.00000	0.96s
9754	0.32989	0.30386	1.08567	1.00000	0.96s
9755	0.33219	0.31219	1.06404	1.00000	0.96s
9756	0.36981	0.30736	1.20320	1.00000	0.96s
9757	0.33086	0.39445	0.83878	0.96667	0.97s
9758	0.32135	0.32022	1.00351	1.00000	0.95s
9759	0.32952	0.31226	1.05527	1.00000	0.96s
9760	0.33586	0.32469	1.03438	1.00000	0.96s
9761	0.33922	0.31214	1.08676	1.00000	0.95s
9762	0.35287	0.31477	1.12103	1.00000	0.96s
9763	0.32724	0.30730	1.06487	1.00000	0.96s
9764	0.32532	0.30980	1.05010	1.00000	0.96s
9765	0.32681	0.38999	0.83798	0.96667	0.96s
9766	0.37464	0.34796	1.07667	1.00000	0.96s
9767	0.33193	0.30267	1.09668	1.00000	0.96s
9768	0.33854	0.45191	0.74913	0.93333	0.97s
9769	0.40507	0.33600	1.20556	1.00000	0.97s
9770	0.33444	0.30562	1.09431	1.00000	0.95s
9771	0.34567	0.31005	1.11491	1.00000	0.96s
9772	0.32303	0.35811	0.90205	0.96667	0.97s
9773	0.33956	0.31331	1.08380	1.00000	0.97s
9774	0.34337	0.37538	0.91474	0.96667	0.96s
9775	0.32271	0.33375	0.96690	1.00000	0.96s
9776	0.32751	0.31436	1.04182	1.00000	0.95s
9777	0.34410	0.37330	0.92177	0.96667	0.97s
9778	0.33604	0.41808	0.80378	0.96667	0.96s
9779	0.33754	0.34796	0.97007	0.96667	0.96s
9780	0.35814	0.31336	1.14289	1.00000	0.96s
9781	0.33206	0.31316	1.06035	1.00000	0.96s
9782	0.33875	0.30916	1.09572	1.00000	0.97s
9783	0.32695	0.30663	1.06629	1.00000	0.97s
9784	0.39613	0.32044	1.23621	1.00000	0.96s
9785	0.34403	0.41620	0.82661	0.96667	0.97s
9786	0.31915	0.30490	1.04672	1.00000	0.96s
9787	0.35097	0.31392	1.11803	1.00000	0.97s
9788	0.33158	0.30554	1.08524	1.00000	0.96s
9789	0.34111	0.43083	0.79175	0.96667	0.96s
9790	0.34271	0.30295	1.13126	1.00000	0.96s
9791	0.32164	0.30710	1.04734	1.00000	0.97s
9792	0.32603	0.30674	1.06289	1.00000	0.95s
9793	0.36132	0.31051	1.16362	1.00000	0.95s
9794	0.33494	0.30701	1.09100	1.00000	0.96s
9795	0.36075	0.33386	1.08054	1.00000	0.96s
9796	0.32778	0.31134	1.05280	1.00000	0.97s
9797	0.32045	0.30849	1.03875	1.00000	0.96s
9798	0.32524	0.35875	0.90661	0.96667	0.96s
9799	0.32505	0.32514	0.99970	1.00000	0.96s

9800	0.38339	0.40944	0.93639	0.93333	0.97s
9801	0.33307	0.33541	0.99303	1.00000	0.96s
9802	0.35131	0.33547	1.04721	1.00000	0.96s
9803	0.36043	0.38600	0.93374	0.96667	0.98s
9804	0.34286	0.44383	0.77250	0.93333	0.96s
9805	0.32549	0.34701	0.93799	1.00000	0.95s
9806	0.31665	0.30444	1.04010	1.00000	0.96s
9807	0.40439	0.31500	1.28378	1.00000	0.96s
9808	0.34537	0.32100	1.07593	1.00000	0.95s
9809	0.34489	0.31898	1.08124	1.00000	0.96s
9810	0.31751	0.32548	0.97551	1.00000	0.96s
9811	0.32147	0.31080	1.03433	1.00000	0.96s
9812	0.32335	0.32630	0.99095	1.00000	0.97s
9813	0.32607	0.31001	1.05181	1.00000	0.95s
9814	0.40038	0.30862	1.29732	1.00000	0.95s
9815	0.36551	0.31103	1.17519	1.00000	0.97s
9816	0.33128	0.32997	1.00397	1.00000	0.96s
9817	0.34546	0.31430	1.09913	1.00000	0.95s
9818	0.32740	0.31392	1.04292	1.00000	0.97s
9819	0.33014	0.32422	1.01826	1.00000	0.96s
9820	0.32506	0.35273	0.92157	0.96667	0.96s
9821	0.36458	0.31487	1.15788	1.00000	0.95s
9822	0.33801	0.31073	1.08780	1.00000	0.97s
9823	0.31713	0.30651	1.03468	1.00000	0.97s
9824	0.32743	0.32091	1.02034	1.00000	0.96s
9825	0.32271	0.33322	0.96845	1.00000	0.97s
9826	0.33264	0.44701	0.74416	0.96667	0.95s
9827	0.36952	0.30485	1.21216	1.00000	0.97s
9828	0.33228	0.31556	1.05299	1.00000	0.97s
9829	0.31753	0.30652	1.03593	1.00000	0.97s
9830	0.32564	0.30851	1.05551	1.00000	0.96s
9831	0.32554	0.30627	1.06292	1.00000	0.97s
9832	0.33654	0.33296	1.01077	1.00000	0.96s
9833	0.34567	0.32040	1.07886	1.00000	0.96s
9834	0.32274	0.31706	1.01793	1.00000	0.96s
9835	0.36374	0.32656	1.11385	1.00000	0.96s
9836	0.35621	0.30533	1.16666	1.00000	0.96s
9837	0.41366	0.31285	1.32224	1.00000	0.97s
9838	0.33450	0.30337	1.10259	1.00000	0.96s
9839	0.38033	0.31158	1.22065	1.00000	0.96s
9840	0.33097	0.30975	1.06851	1.00000	0.96s
9841	0.33052	0.43877	0.75329	0.96667	0.95s
9842	0.35948	0.32211	1.11601	1.00000	0.96s
9843	0.34317	0.30706	1.11761	1.00000	0.97s
9844	0.32487	0.31329	1.03694	1.00000	0.97s
9845	0.33116	0.31517	1.05072	1.00000	0.96s
9846	0.32171	0.32035	1.00426	1.00000	0.96s
9847	0.34024	0.38768	0.87763	0.96667	0.97s
9848	0.35228	0.32053	1.09906	1.00000	0.96s
9849	0.37456	0.32574	1.14985	1.00000	0.96s
9850	0.33866	0.31442	1.07710	1.00000	0.97s
9851	0.37680	0.31517	1.19554	1.00000	0.97s
9852	0.32793	0.31984	1.02528	1.00000	0.96s
9853	0.32671	0.32521	1.00462	1.00000	0.97s

9854	0.36118	0.32187	1.12213	1.00000	0.97s
9855	0.33665	0.30817	1.09243	1.00000	0.97s
9856	0.32351	0.31656	1.02193	1.00000	0.97s
9857	0.35649	0.31611	1.12773	1.00000	0.96s
9858	0.33869	0.31337	1.08082	1.00000	0.96s
9859	0.35151	0.35072	1.00223	0.96667	0.97s
9860	0.32178	0.33933	0.94828	1.00000	0.96s
9861	0.34799	0.39106	0.88988	0.96667	0.97s
9862	0.33560	0.31587	1.06245	1.00000	0.97s
9863	0.38627	0.34679	1.11384	0.96667	0.96s
9864	0.33742	0.34644	0.97398	0.96667	0.97s
9865	0.41515	0.32566	1.27478	1.00000	0.96s
9866	0.32194	0.32044	1.00468	1.00000	0.96s
9867	0.32328	0.31025	1.04201	1.00000	0.96s
9868	0.34255	0.30998	1.10508	1.00000	0.98s
9869	0.33063	0.31625	1.04548	1.00000	0.96s
9870	0.36050	0.34740	1.03773	1.00000	0.97s
9871	0.32769	0.33802	0.96946	1.00000	0.96s
9872	0.33796	0.31297	1.07983	1.00000	0.96s
9873	0.36762	0.35996	1.02128	0.96667	0.97s
9874	0.39761	0.37682	1.05519	0.96667	0.96s
9875	0.33041	0.36258	0.91129	1.00000	0.98s
9876	0.31945	0.31788	1.00493	1.00000	0.97s
9877	0.32662	0.31176	1.04769	1.00000	0.97s
9878	0.32967	0.31889	1.03382	1.00000	0.96s
9879	0.36940	0.31349	1.17836	1.00000	0.96s
9880	0.37260	0.30889	1.20623	1.00000	0.97s
9881	0.32338	0.39212	0.82470	0.96667	0.96s
9882	0.35490	0.30506	1.16340	1.00000	0.96s
9883	0.33538	0.37305	0.89902	0.96667	0.96s
9884	0.34885	0.36529	0.95500	0.96667	0.96s
9885	0.33536	0.32518	1.03130	1.00000	0.96s
9886	0.33278	0.37646	0.88395	0.96667	0.96s
9887	0.38356	0.33960	1.12945	0.96667	0.96s
9888	0.34027	0.30540	1.11420	1.00000	0.97s
9889	0.33277	0.31581	1.05372	1.00000	0.98s
9890	0.33942	0.31493	1.07776	1.00000	0.96s
9891	0.32601	0.31326	1.04068	1.00000	0.96s
9892	0.31741	0.34675	0.91540	1.00000	0.96s
9893	0.35828	0.31083	1.15265	1.00000	0.96s
9894	0.32763	0.30851	1.06198	1.00000	0.97s
9895	0.45258	0.43167	1.04845	0.96667	0.96s
9896	0.34349	0.33266	1.03254	1.00000	0.97s
9897	0.36630	0.30683	1.19380	1.00000	0.96s
9898	0.38514	0.36735	1.04842	0.96667	0.97s
9899	0.33431	0.45304	0.73793	0.93333	0.96s
9900	0.33384	0.33883	0.98527	1.00000	0.96s
9901	0.33681	0.32292	1.04300	1.00000	0.96s
9902	0.32459	0.33743	0.96194	1.00000	0.96s
9903	0.35244	0.35766	0.98540	0.96667	0.97s
9904	0.34904	0.34619	1.00822	0.96667	0.96s
9905	0.32893	0.31287	1.05136	1.00000	0.97s
9906	0.36222	0.31260	1.15873	1.00000	0.96s
9907	0.31851	0.36014	0.88441	1.00000	0.97s

9908	0.34777	0.37901	0.91758	0.96667	0.96s
9909	0.33548	0.56076	0.59826	0.93333	0.95s
9910	0.34284	0.31410	1.09151	1.00000	0.96s
9911	0.34336	0.31920	1.07566	1.00000	0.97s
9912	0.34887	0.37711	0.92512	0.96667	0.97s
9913	0.33950	0.30959	1.09661	1.00000	0.96s
9914	0.33143	0.30698	1.07965	1.00000	0.96s
9915	0.37500	0.31995	1.17205	1.00000	0.96s
9916	0.33409	0.36005	0.92790	1.00000	0.96s
9917	0.33077	0.33955	0.97416	0.96667	0.96s
9918	0.33792	0.32158	1.05078	1.00000	0.96s
9919	0.36150	0.31690	1.14076	1.00000	0.96s
9920	0.32821	0.35176	0.93306	0.96667	0.96s
9921	0.34412	0.36684	0.93808	0.96667	0.97s
9922	0.32935	0.36396	0.90491	0.96667	0.96s
9923	0.32704	0.32198	1.01570	1.00000	0.96s
9924	0.38798	0.30748	1.26182	1.00000	0.97s
9925	0.34083	0.30877	1.10384	1.00000	0.97s
9926	0.32176	0.30695	1.04827	1.00000	0.97s
9927	0.36323	0.43052	0.84370	0.93333	0.96s
9928	0.32633	0.32318	1.00974	1.00000	0.96s
9929	0.32524	0.34012	0.95624	1.00000	0.95s
9930	0.34589	0.31893	1.08451	1.00000	0.96s
9931	0.37364	0.32170	1.16144	1.00000	0.96s
9932	0.35993	0.31561	1.14043	1.00000	0.95s
9933	0.33408	0.31602	1.05715	1.00000	0.96s
9934	0.33925	0.34345	0.98777	0.96667	0.95s
9935	0.32906	0.35688	0.92206	1.00000	0.96s
9936	0.36418	0.32001	1.13804	1.00000	0.96s
9937	0.32568	0.31988	1.01814	1.00000	0.95s
9938	0.35420	0.30998	1.14265	1.00000	0.96s
9939	0.33481	0.35093	0.95405	0.96667	0.96s
9940	0.33571	0.32411	1.03579	1.00000	0.95s
9941	0.33082	0.37927	0.87225	0.96667	0.96s
9942	0.32016	0.33712	0.94970	1.00000	0.95s
9943	0.32350	0.31828	1.01640	1.00000	0.96s
9944	0.34340	0.31311	1.09674	1.00000	0.95s
9945	0.35569	0.30777	1.15573	1.00000	0.97s
9946	0.34001	0.32093	1.05943	1.00000	0.96s
9947	0.32303	0.31166	1.03647	1.00000	0.96s
9948	0.39454	0.31527	1.25143	1.00000	0.96s
9949	0.31941	0.32775	0.97456	1.00000	0.96s
9950	0.32457	0.30962	1.04829	1.00000	0.96s
9951	0.37555	0.31609	1.18810	1.00000	0.96s
9952	0.32382	0.31231	1.03687	1.00000	0.97s
9953	0.33866	0.31746	1.06679	1.00000	0.96s
9954	0.35386	0.31157	1.13574	1.00000	0.97s
9955	0.34172	0.31402	1.08819	1.00000	0.96s
9956	0.34249	0.31065	1.10249	1.00000	0.96s
9957	0.36802	0.37695	0.97630	0.96667	0.96s
9958	0.33479	0.36934	0.90647	0.96667	0.97s
9959	0.32760	0.33380	0.98141	1.00000	0.96s
9960	0.33557	0.31733	1.05750	1.00000	0.96s
9961	0.34308	0.31994	1.07234	1.00000	0.97s

9962	0.34304	0.31222	1.09873	1.00000	0.96s
9963	0.35286	0.31325	1.12646	1.00000	0.96s
9964	0.42611	0.30881	1.37984	1.00000	0.97s
9965	0.34630	0.47201	0.73367	0.96667	0.96s
9966	0.32552	0.36766	0.88538	0.96667	0.96s
9967	0.35221	0.31136	1.13119	1.00000	0.96s
9968	0.35696	0.30932	1.15398	1.00000	0.97s
9969	0.33176	0.32175	1.03111	1.00000	0.96s
9970	0.37889	0.36613	1.03483	0.96667	0.97s
9971	0.33029	0.30946	1.06733	1.00000	0.96s
9972	0.34440	0.32205	1.06939	1.00000	0.96s
9973	0.36434	0.30808	1.18264	1.00000	0.96s
9974	0.33300	0.32703	1.01825	1.00000	0.95s
9975	0.34598	0.31617	1.09428	1.00000	0.97s
9976	0.34275	0.30852	1.11096	1.00000	0.96s
9977	0.33896	0.33431	1.01391	1.00000	0.97s
9978	0.33442	0.30896	1.08242	1.00000	0.97s
9979	0.36083	0.31845	1.13306	1.00000	0.97s
9980	0.37751	0.31276	1.20704	1.00000	0.95s
9981	0.32918	0.32161	1.02352	1.00000	0.96s
9982	0.35072	0.30984	1.13194	1.00000	0.96s
9983	0.32089	0.31159	1.02984	1.00000	0.97s
9984	0.32035	0.31431	1.01925	1.00000	0.96s
9985	0.34398	0.31880	1.07899	1.00000	0.96s
9986	0.37461	0.35645	1.05095	1.00000	0.96s
9987	0.32000	0.38199	0.83771	0.96667	0.97s
9988	0.34349	0.31378	1.09468	1.00000	0.96s
9989	0.32208	0.36806	0.87507	0.96667	0.96s
9990	0.34867	0.33058	1.05474	1.00000	0.96s
9991	0.39223	0.31308	1.25282	1.00000	0.98s
9992	0.34335	0.37028	0.92727	0.96667	0.96s
9993	0.35565	0.32576	1.09177	1.00000	0.96s
9994	0.34480	0.33972	1.01495	1.00000	0.96s
9995	0.33638	0.34354	0.97915	1.00000	0.96s
9996	0.31822	0.33820	0.94091	1.00000	0.95s
9997	0.34545	0.31433	1.09901	1.00000	0.96s
9998	0.33751	0.31089	1.08563	1.00000	0.97s
9999	0.32051	0.31449	1.01915	1.00000	0.96s
10000	0.32786	0.31789	1.03137	1.00000	0.96s
10001	0.32135	0.30698	1.04681	1.00000	0.96s
10002	0.36042	0.31329	1.15044	1.00000	0.97s
10003	0.33118	0.31428	1.05378	1.00000	0.97s
10004	0.36740	0.33512	1.09633	1.00000	0.96s
10005	0.34486	0.31359	1.09969	1.00000	0.96s
10006	0.36711	0.31025	1.18326	1.00000	0.97s
10007	0.32748	0.31273	1.04719	1.00000	0.96s
10008	0.37201	0.31633	1.17604	1.00000	0.95s
10009	0.33460	0.32174	1.03997	1.00000	0.96s
10010	0.33381	0.35693	0.93523	1.00000	0.96s
10011	0.35199	0.41404	0.85012	0.96667	0.97s
10012	0.36384	0.35776	1.01701	0.96667	0.97s
10013	0.36662	0.31714	1.15601	1.00000	0.97s
10014	0.36693	0.47635	0.77028	0.96667	0.96s
10015	0.37241	0.32671	1.13987	1.00000	0.96s

10016	0.35328	0.32070	1.10157	1.00000	0.95s
10017	0.37930	0.31744	1.19488	1.00000	0.97s
10018	0.33201	0.33673	0.98599	1.00000	0.95s
10019	0.38242	0.32810	1.16556	1.00000	0.96s
10020	0.33768	0.32531	1.03800	1.00000	0.96s
10021	0.37939	0.32232	1.17705	1.00000	0.96s
10022	0.42112	0.34182	1.23199	1.00000	0.96s
10023	0.37535	0.33318	1.12659	1.00000	0.96s
10024	0.47085	0.33168	1.41959	1.00000	0.95s
10025	0.35592	0.33237	1.07086	1.00000	0.96s
10026	0.37079	0.32049	1.15695	1.00000	0.96s
10027	0.39183	0.31303	1.25176	1.00000	0.96s
10028	0.45817	0.36280	1.26285	1.00000	0.96s
10029	0.34846	0.37457	0.93031	0.96667	0.96s
10030	0.33896	0.34175	0.99183	1.00000	0.96s
10031	0.34157	0.32866	1.03927	1.00000	0.96s
10032	0.36457	0.31203	1.16839	1.00000	0.96s
10033	0.38411	0.39043	0.98380	0.96667	0.96s
10034	0.38750	0.32446	1.19431	1.00000	0.96s
10035	0.41192	0.33377	1.23413	1.00000	0.96s
10036	0.38500	0.37122	1.03710	1.00000	0.96s
10037	0.45256	0.31200	1.45049	1.00000	0.96s
10038	0.34395	0.33998	1.01169	1.00000	0.97s
10039	0.34133	0.31741	1.07535	1.00000	0.96s
10040	0.33635	0.37980	0.88561	0.96667	0.96s
10041	0.38063	0.31368	1.21345	1.00000	0.97s
10042	0.34149	0.32868	1.03896	1.00000	0.96s
10043	0.41408	0.31489	1.31500	1.00000	0.96s
10044	0.38033	0.31198	1.21909	1.00000	0.95s
10045	0.34264	0.33328	1.02809	1.00000	0.96s
10046	0.38717	0.33041	1.17180	1.00000	0.96s
10047	0.37548	0.32002	1.17327	1.00000	0.96s
10048	0.36822	0.46904	0.78505	0.93333	0.95s
10049	0.38790	0.32722	1.18546	1.00000	0.96s
10050	0.39713	0.32116	1.23657	1.00000	0.96s
10051	0.39036	0.32723	1.19290	1.00000	0.96s
10052	0.34980	0.44246	0.79058	0.96667	0.95s
10053	0.34342	0.31251	1.09892	1.00000	0.96s
10054	0.39192	0.34512	1.13559	1.00000	0.97s
10055	0.37436	0.32232	1.16145	1.00000	0.97s
10056	0.41513	0.34847	1.19130	1.00000	0.96s
10057	0.40968	0.36483	1.12292	0.96667	0.96s
10058	0.36908	0.33577	1.09921	1.00000	0.96s
10059	0.36634	0.34358	1.06626	1.00000	0.96s
10060	0.35381	0.30998	1.14138	1.00000	0.97s
10061	0.36261	0.36155	1.00295	0.96667	0.97s
10062	0.40838	0.31430	1.29931	1.00000	0.96s
10063	0.35860	0.44735	0.80161	0.96667	0.96s
10064	0.35106	0.31934	1.09933	1.00000	0.96s
10065	0.39597	0.32127	1.23253	1.00000	0.97s
10066	0.34025	0.31416	1.08302	1.00000	0.96s
10067	0.36555	0.31239	1.17017	1.00000	0.96s
10068	0.42104	0.42572	0.98900	0.96667	0.96s
10069	0.36249	0.35392	1.02421	0.96667	0.95s

10070	0.34181	0.41616	0.82133	0.96667	0.96s
10071	0.35350	0.40710	0.86834	0.96667	0.95s
10072	0.45175	0.37809	1.19483	0.96667	0.96s
10073	0.38714	0.33500	1.15565	1.00000	0.96s
10074	0.37515	0.32271	1.16251	1.00000	0.96s
10075	0.35098	0.31504	1.11409	1.00000	0.97s
10076	0.35174	0.32037	1.09791	1.00000	0.96s
10077	0.43144	0.34994	1.23290	1.00000	0.95s
10078	0.40832	0.32142	1.27038	1.00000	0.96s
10079	0.34647	0.33405	1.03719	1.00000	0.96s
10080	0.35910	0.37397	0.96023	0.96667	0.96s
10081	0.43208	0.40366	1.07041	0.96667	0.96s
10082	0.43763	0.40508	1.08034	0.96667	0.96s
10083	0.40024	0.33771	1.18516	1.00000	0.96s
10084	0.35883	0.31274	1.14739	1.00000	0.96s
10085	0.33458	0.32403	1.03257	1.00000	0.96s
10086	0.39139	0.31667	1.23595	1.00000	0.96s
10087	0.36598	0.33735	1.08488	1.00000	0.95s
10088	0.42390	0.42532	0.99668	0.93333	0.96s
10089	0.41221	0.35444	1.16298	0.96667	0.95s
10090	0.38269	0.33172	1.15367	1.00000	0.96s
10091	0.38971	0.32308	1.20620	1.00000	0.96s
10092	0.33587	0.33717	0.99615	1.00000	0.95s
10093	0.36132	0.39002	0.92640	0.96667	0.95s
10094	0.38621	0.31557	1.22382	1.00000	0.96s
10095	0.36188	0.32272	1.12133	1.00000	0.96s
10096	0.35246	0.30902	1.14059	1.00000	0.96s
10097	0.36395	0.31063	1.17167	1.00000	0.96s
10098	0.34455	0.34823	0.98944	0.96667	0.96s
10099	0.34028	0.32240	1.05547	1.00000	0.96s
10100	0.37008	0.34531	1.07175	1.00000	0.96s
10101	0.43360	0.31755	1.36544	1.00000	0.95s
10102	0.37135	0.31463	1.18029	1.00000	0.96s
10103	0.36843	0.31575	1.16686	1.00000	0.97s
10104	0.34762	0.33551	1.03612	1.00000	0.96s
10105	0.37346	0.34935	1.06904	0.96667	0.96s
10106	0.32954	0.33528	0.98288	1.00000	0.96s
10107	0.35090	0.31445	1.11590	1.00000	0.96s
10108	0.36658	0.33331	1.09981	1.00000	0.95s
10109	0.35120	0.36418	0.96434	0.96667	0.96s
10110	0.37420	0.34349	1.08942	0.96667	0.95s
10111	0.33929	0.31628	1.07276	1.00000	0.96s
10112	0.37148	0.32338	1.14876	1.00000	0.95s
10113	0.34894	0.31814	1.09682	1.00000	0.95s
10114	0.34336	0.32295	1.06319	1.00000	0.96s
10115	0.35816	0.33563	1.06714	1.00000	0.96s
10116	0.37685	0.35572	1.05943	0.96667	0.97s
10117	0.35249	0.32884	1.07192	1.00000	0.96s
10118	0.45382	0.31653	1.43373	1.00000	0.96s
10119	0.33414	0.30888	1.08177	1.00000	0.96s
10120	0.33379	0.37294	0.89501	0.96667	0.96s
10121	0.38896	0.53024	0.73354	0.90000	0.95s
10122	0.34772	0.32181	1.08054	1.00000	0.95s
10123	0.39285	0.31460	1.24876	1.00000	0.96s

10124	0.44382	0.34951	1.26984	1.00000	0.96s
10125	0.39450	0.32771	1.20382	1.00000	0.96s
10126	0.46065	0.32882	1.40093	1.00000	0.96s
10127	0.34105	0.35221	0.96832	1.00000	0.96s
10128	0.33088	0.32108	1.03053	1.00000	0.96s
10129	0.37970	0.35060	1.08300	1.00000	0.96s
10130	0.33752	0.31896	1.05819	1.00000	0.96s
10131	0.36180	0.31253	1.15763	1.00000	0.95s
10132	0.36270	0.31353	1.15683	1.00000	0.96s
10133	0.34578	0.33003	1.04774	1.00000	0.96s
10134	0.39053	0.33714	1.15836	1.00000	0.95s
10135	0.36383	0.31166	1.16738	1.00000	0.96s
10136	0.39573	0.33826	1.16989	1.00000	0.96s
10137	0.33523	0.33478	1.00134	1.00000	0.96s
10138	0.34699	0.31667	1.09574	1.00000	0.96s
10139	0.35364	0.31073	1.13809	1.00000	0.96s
10140	0.34858	0.32559	1.07061	1.00000	0.97s
10141	0.34021	0.31363	1.08473	1.00000	0.96s
10142	0.34259	0.31675	1.08159	1.00000	0.96s
10143	0.34858	0.32555	1.07073	1.00000	0.95s
10144	0.33077	0.31299	1.05683	1.00000	0.96s
10145	0.34497	0.31405	1.09847	1.00000	0.96s
10146	0.36314	0.39793	0.91257	0.96667	0.96s
10147	0.38744	0.32399	1.19585	1.00000	0.96s
10148	0.35066	0.31483	1.11379	1.00000	0.96s
10149	0.32334	0.31229	1.03540	1.00000	0.96s
10150	0.32559	0.31462	1.03487	1.00000	0.96s
10151	0.33675	0.31497	1.06913	1.00000	0.96s
10152	0.34897	0.31968	1.09162	1.00000	0.96s
10153	0.33162	0.31243	1.06142	1.00000	0.96s
10154	0.33682	0.31225	1.07868	1.00000	0.95s
10155	0.36209	0.31725	1.14134	1.00000	0.96s
10156	0.33454	0.31561	1.05997	1.00000	0.96s
10157	0.33188	0.32057	1.03526	1.00000	0.95s
10158	0.33787	0.32514	1.03914	1.00000	0.95s
10159	0.38117	0.34268	1.11233	1.00000	0.96s
10160	0.37318	0.31297	1.19239	1.00000	0.96s
10161	0.33230	0.31481	1.05556	1.00000	0.95s
10162	0.33354	0.32541	1.02501	1.00000	0.96s
10163	0.35428	0.31486	1.12519	1.00000	0.96s
10164	0.33234	0.31818	1.04449	1.00000	0.96s
10165	0.36335	0.31654	1.14788	1.00000	0.97s
10166	0.35142	0.33027	1.06403	1.00000	0.97s
10167	0.32611	0.32484	1.00389	1.00000	0.97s
10168	0.41485	0.31340	1.32373	1.00000	0.95s
10169	0.34737	0.43945	0.79047	0.96667	0.96s
10170	0.32947	0.33329	0.98855	1.00000	0.95s
10171	0.33843	0.32529	1.04038	1.00000	0.96s
10172	0.36473	0.31508	1.15755	1.00000	0.96s
10173	0.34498	0.37355	0.92352	0.96667	0.96s
10174	0.35130	0.42320	0.83011	0.96667	0.97s
10175	0.33393	0.31247	1.06869	1.00000	0.96s
10176	0.35994	0.31813	1.13144	1.00000	0.96s
10177	0.33091	0.32495	1.01833	1.00000	0.96s

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  10178       0.32657       0.32810       0.99534       1.00000  0.96s
  10179       0.34861       0.31344       1.11223       1.00000  0.96s
  10180       0.34048       0.33079       1.02930       1.00000  0.96s
  10181       0.33048       0.31280       1.05653       1.00000  0.95s
  10182       0.35644       0.31820       1.12017       1.00000  0.96s
  10183       0.33365       0.32314       1.03253       1.00000  0.95s
  10184       0.40053       0.32638       1.22720       1.00000  0.96s
  10185       0.36172       0.31159       1.16088       1.00000  0.96s
  10186       0.35667       0.31582       1.12934       1.00000  0.96s
  10187       0.33690       0.33096       1.01794       1.00000  0.96s
  10188       0.33186       0.38225       0.86818       0.96667  0.95s
  10189       0.32525       0.31947       1.01811       1.00000  0.96s
  10190       0.34379       0.31438       1.09356       1.00000  0.96s
  10191       0.33031       0.34260       0.96415       1.00000  0.96s
  10192       0.34967       0.31212       1.12031       1.00000  0.96s
  10193       0.35220       0.46162       0.76297       0.93333  0.96s
  10194       0.32933       0.31503       1.04542       1.00000  0.96s
  10195       0.35525       0.31203       1.13850       1.00000  0.97s
  10196       0.34413       0.31084       1.10710       1.00000  0.96s
  10197       0.34633       0.31833       1.08794       1.00000  0.97s
  10198       0.36971       0.31533       1.17247       1.00000  0.96s
  10199       0.37587       0.31242       1.20312       1.00000  0.96s
  10200       0.33701       0.31099       1.08367       1.00000  0.96s
Regularization term: 0.305264651775
2016-07-27 00:27:41,129 - root - INFO - Duration of saving to disk: 0:00:17
2016-07-27 00:27:51,204 - root - INFO - Duration of validation: 0:00:10
  10201       0.35189       0.31707       1.10979       1.00000  0.97s
  10202       0.33310       0.32221       1.03379       1.00000  0.96s
  10203       0.33839       0.31231       1.08350       1.00000  0.96s
  10204       0.33625       0.31188       1.07813       1.00000  0.96s
  10205       0.33207       0.31258       1.06237       1.00000  0.96s
  10206       0.33711       0.31310       1.07667       1.00000  0.96s
  10207       0.34961       0.31124       1.12328       1.00000  0.96s
  10208       0.36144       0.32078       1.12677       1.00000  0.96s
  10209       0.34098       0.32634       1.04486       1.00000  0.96s
  10210       0.33670       0.31182       1.07981       1.00000  0.97s
  10211       0.33942       0.31606       1.07391       1.00000  0.95s
  10212       0.33484       0.49779       0.67265       0.96667  0.96s
  10213       0.36455       0.33506       1.08802       1.00000  0.96s
  10214       0.41283       0.31112       1.32692       1.00000  0.96s
  10215       0.38401       0.31302       1.22677       1.00000  0.96s
  10216       0.33828       0.31848       1.06217       1.00000  0.95s
  10217       0.33090       0.31095       1.06413       1.00000  0.96s
  10218       0.33601       0.31216       1.07641       1.00000  0.97s
  10219       0.36940       0.31674       1.16627       1.00000  0.97s
  10220       0.38613       0.31437       1.22827       1.00000  0.96s
  10221       0.33116       0.31325       1.05718       1.00000  0.95s
  10222       0.33690       0.31414       1.07245       1.00000  0.96s
  10223       0.34053       0.31612       1.07722       1.00000  0.96s
  10224       0.33567       0.31253       1.07402       1.00000  0.97s
  10225       0.33189       0.31718       1.04639       1.00000  0.96s
  10226       0.38078       0.31456       1.21051       1.00000  0.97s
  10227       0.33347       0.31413       1.06158       1.00000  0.96s
  10228       0.35452       0.30995       1.14380       1.00000  0.96s
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10229	0.38766	0.30984	1.25115	1.00000	0.96s
10230	0.36188	0.31783	1.13859	1.00000	0.97s
10231	0.32677	0.31338	1.04273	1.00000	0.96s
10232	0.35020	0.33015	1.06073	1.00000	0.96s
10233	0.35811	0.31277	1.14495	1.00000	0.96s
10234	0.35370	0.31422	1.12565	1.00000	0.97s
10235	0.35006	0.31309	1.11809	1.00000	0.97s
10236	0.34231	0.31711	1.07948	1.00000	0.96s
10237	0.33079	0.31250	1.05853	1.00000	0.96s
10238	0.32796	0.35244	0.93056	0.96667	0.96s
10239	0.33426	0.31314	1.06746	1.00000	0.97s
10240	0.32739	0.31753	1.03104	1.00000	0.96s
10241	0.33040	0.31463	1.05013	1.00000	0.97s
10242	0.32094	0.33735	0.95135	1.00000	0.96s
10243	0.34512	0.32371	1.06616	1.00000	0.96s
10244	0.32998	0.33101	0.99687	1.00000	0.96s
10245	0.32769	0.31901	1.02719	1.00000	0.96s
10246	0.33482	0.31291	1.06999	1.00000	0.96s
10247	0.32849	0.31468	1.04386	1.00000	0.96s
10248	0.32863	0.31167	1.05443	1.00000	0.96s
10249	0.32738	0.31034	1.05490	1.00000	0.97s
10250	0.33762	0.32810	1.02902	1.00000	0.97s
10251	0.35838	0.31443	1.13978	1.00000	0.95s
10252	0.32647	0.33406	0.97727	1.00000	0.96s
10253	0.34674	0.31422	1.10348	1.00000	0.96s
10254	0.33744	0.31223	1.08075	1.00000	0.97s
10255	0.33800	0.31731	1.06520	1.00000	0.97s
10256	0.34672	0.31805	1.09014	1.00000	0.96s
10257	0.33958	0.31292	1.08517	1.00000	0.95s
10258	0.36413	0.31326	1.16241	1.00000	0.97s
10259	0.35998	0.31680	1.13632	1.00000	0.95s
10260	0.35942	0.30968	1.16059	1.00000	0.97s
10261	0.33660	0.31333	1.07426	1.00000	0.96s
10262	0.32610	0.31947	1.02075	1.00000	0.97s
10263	0.33143	0.31021	1.06838	1.00000	0.96s
10264	0.32617	0.31790	1.02602	1.00000	0.95s
10265	0.35701	0.33241	1.07401	1.00000	0.96s
10266	0.33873	0.31063	1.09045	1.00000	0.96s
10267	0.33593	0.31181	1.07737	1.00000	0.97s
10268	0.34780	0.32450	1.07179	1.00000	0.97s
10269	0.33389	0.31387	1.06379	1.00000	0.97s
10270	0.33032	0.31294	1.05554	1.00000	0.97s
10271	0.34500	0.31896	1.08166	1.00000	0.97s
10272	0.33717	0.31614	1.06651	1.00000	0.95s
10273	0.32443	0.45192	0.71789	0.96667	0.96s
10274	0.32348	0.31579	1.02435	1.00000	0.96s
10275	0.34793	0.32854	1.05904	1.00000	0.96s
10276	0.34006	0.31023	1.09615	1.00000	0.96s
10277	0.35076	0.32195	1.08946	1.00000	0.95s
10278	0.33078	0.31342	1.05538	1.00000	0.96s
10279	0.34089	0.33381	1.02121	1.00000	0.96s
10280	0.32991	0.31309	1.05372	1.00000	0.96s
10281	0.33110	0.33595	0.98556	1.00000	0.97s
10282	0.33204	0.31719	1.04679	1.00000	0.96s

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  10283       0.33096       0.31020       1.06692       1.00000  0.96s
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  10285       0.32931       0.31203       1.05536       1.00000  0.96s
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  10289       0.34969       0.31390       1.11402       1.00000  0.97s
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  10291       0.33444       0.31139       1.07402       1.00000  0.97s
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  10293       0.33810       0.31570       1.07096       1.00000  0.96s
  10294       0.32847       0.33928       0.96814       1.00000  0.96s
  10295       0.32855       0.31288       1.05008       1.00000  0.96s
  10296       0.32481       0.31721       1.02397       1.00000  0.96s
  10297       0.32882       0.31276       1.05135       1.00000  0.95s
  10298       0.32837       0.32014       1.02572       1.00000  0.96s
  10299       0.34776       0.31259       1.11249       1.00000  0.96s
  10300       0.32215       0.34084       0.94516       1.00000  0.96s
  10301       0.32825       0.31212       1.05168       1.00000  0.96s
  10302       0.33554       0.31259       1.07344       1.00000  0.96s
  10303       0.33168       0.31171       1.06404       1.00000  0.96s
  10304       0.34007       0.31500       1.07960       1.00000  0.97s
  10305       0.32044       0.34132       0.93883       0.96667  0.95s
  10306       0.33036       0.31547       1.04720       1.00000  0.96s
  10307       0.32606       0.32454       1.00467       1.00000  0.96s
  10308       0.32968       0.31004       1.06336       1.00000  0.96s
  10309       0.34478       0.53284       0.64707       0.96667  0.96s
  10310       0.34470       0.31162       1.10617       1.00000  0.96s
  10311       0.33836       0.31189       1.08489       1.00000  0.96s
  10312       0.33022       0.31283       1.05559       1.00000  0.97s
  10313       0.34974       0.31149       1.12280       1.00000  0.95s
  10314       0.33603       0.31560       1.06475       1.00000  0.95s
  10315       0.33736       0.31443       1.07292       1.00000  0.96s
  10316       0.33948       0.32600       1.04134       1.00000  0.96s
  10317       0.33314       0.31080       1.07188       1.00000  0.97s
  10318       0.35851       0.31691       1.13126       1.00000  0.95s
  10319       0.32667       0.31169       1.04808       1.00000  0.97s
  10320       0.32599       0.36889       0.88369       0.96667  0.96s
  10321       0.32891       0.38705       0.84977       0.96667  0.96s
Early stopping.
Best valid loss was 0.301087 at epoch 9321.
Loaded parameters to layer 'conv2ddnn1' (shape 32x1x3x3).
Loaded parameters to layer 'batchnorm2' (shape 32).
Loaded parameters to layer 'batchnorm2' (shape 32).
Loaded parameters to layer 'batchnorm2' (shape 32).
Loaded parameters to layer 'batchnorm2' (shape 32).
Loaded parameters to layer 'conv2ddnn4' (shape 32x32x3x3).
Loaded parameters to layer 'batchnorm5' (shape 32).
Loaded parameters to layer 'batchnorm5' (shape 32).
Loaded parameters to layer 'batchnorm5' (shape 32).
Loaded parameters to layer 'batchnorm5' (shape 32).
Loaded parameters to layer 'conv2ddnn9' (shape 64x32x3x3).
Loaded parameters to layer 'batchnorm10' (shape 64).
Loaded parameters to layer 'batchnorm10' (shape 64).
```
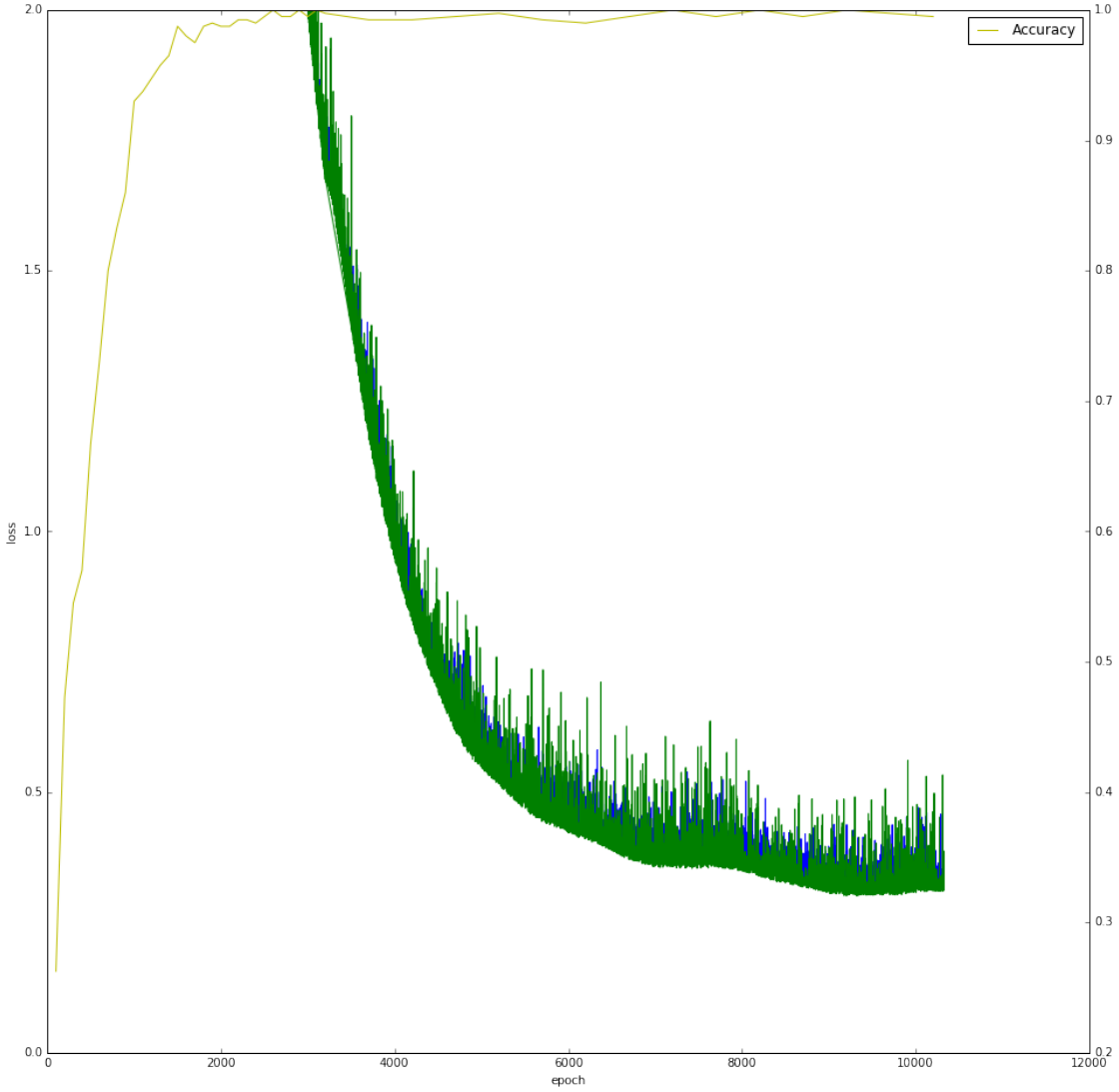

```
Loaded parameters to layer 'batchnorm10' (shape 64).
Loaded parameters to layer 'batchnorm10' (shape 64).
Loaded parameters to layer 'conv2ddnn12' (shape 64x64x3x3).
Loaded parameters to layer 'batchnorm13' (shape 64).
Loaded parameters to layer 'batchnorm13' (shape 64).
Loaded parameters to layer 'batchnorm13' (shape 64).
Loaded parameters to layer 'batchnorm13' (shape 64).
Loaded parameters to layer 'conv2ddnn17' (shape 128x64x3x3).
Loaded parameters to layer 'batchnorm18' (shape 128).
Loaded parameters to layer 'batchnorm18' (shape 128).
Loaded parameters to layer 'batchnorm18' (shape 128).
Loaded parameters to layer 'batchnorm18' (shape 128).
Loaded parameters to layer 'conv2ddnn20' (shape 128x128x3x3).
Loaded parameters to layer 'batchnorm21' (shape 128).
Loaded parameters to layer 'batchnorm21' (shape 128).
Loaded parameters to layer 'batchnorm21' (shape 128).
Loaded parameters to layer 'batchnorm21' (shape 128).
Loaded parameters to layer 'conv2ddnn25' (shape 256x128x3x3).
Loaded parameters to layer 'batchnorm26' (shape 256).
Loaded parameters to layer 'batchnorm26' (shape 256).
Loaded parameters to layer 'batchnorm26' (shape 256).
Loaded parameters to layer 'batchnorm26' (shape 256).
Loaded parameters to layer 'conv2ddnn28' (shape 256x256x3x3).
Loaded parameters to layer 'batchnorm29' (shape 256).
Loaded parameters to layer 'batchnorm29' (shape 256).
Loaded parameters to layer 'batchnorm29' (shape 256).
Loaded parameters to layer 'batchnorm29' (shape 256).
Loaded parameters to layer 'conv2ddnn33' (shape 512x256x3x3).
Loaded parameters to layer 'batchnorm34' (shape 512).
Loaded parameters to layer 'batchnorm34' (shape 512).
Loaded parameters to layer 'batchnorm34' (shape 512).
Loaded parameters to layer 'batchnorm34' (shape 512).
Loaded parameters to layer 'conv2ddnn36' (shape 512x512x3x3).
Loaded parameters to layer 'batchnorm37' (shape 512).
Loaded parameters to layer 'batchnorm37' (shape 512).
Loaded parameters to layer 'batchnorm37' (shape 512).
Loaded parameters to layer 'batchnorm37' (shape 512).
Loaded parameters to layer 'dense41' (shape 8192x2048).
Loaded parameters to layer 'batchnorm42' (shape 2048).
Loaded parameters to layer 'batchnorm42' (shape 2048).
Loaded parameters to layer 'batchnorm42' (shape 2048).
Loaded parameters to layer 'batchnorm42' (shape 2048).
Loaded parameters to layer 'dense45' (shape 2048x2048).
Loaded parameters to layer 'batchnorm46' (shape 2048).
Loaded parameters to layer 'batchnorm46' (shape 2048).
Loaded parameters to layer 'batchnorm46' (shape 2048).
Loaded parameters to layer 'batchnorm46' (shape 2048).
Loaded parameters to layer 'dense48' (shape 2048x10).
Loaded parameters to layer 'dense48' (shape 10).
Training successful by early stopping. Elapsed: 7351.93224692
```

1.4 Visualizations

```
In [22]: from notebook_functions import plot_validation_loss
```

In [24]: `plot_validation_loss(net, validation_file_name, ylim=[0, 2])`



In [ ]: