# checkstyle: noqa

import tensorflow.compat.v1 as tf

from ..constants import EB\_SCORE\_IDX

# The rationale behind this logic is available at TQ-9678.

def get\_lolly\_logits(labels):

'''

:param labels: tf.Tensor of shape (batch size, num labels) with labels as specified by the feature config.

:return: tf.Tensor of shape (batch size) with the extracted lolly logits.

'''

eb\_lolly\_scores = get\_lolly\_scores(labels)

inverse\_eb\_lolly\_scores = tf.math.subtract(1.0, eb\_lolly\_scores)

lolly\_activations = tf.math.subtract(tf.math.log(eb\_lolly\_scores), tf.math.log(inverse\_eb\_lolly\_scores))

return lolly\_activations

def get\_lolly\_scores(labels):

'''

:param labels: tf.Tensor of shape (batch size, num labels) with labels as specified by the feature config.

:return: tf.Tensor of shape (batch size) with the extracted lolly scores.

'''

logged\_eb\_lolly\_scores = tf.reshape(labels[:, EB\_SCORE\_IDX], (-1, 1))

eb\_lolly\_scores = tf.truediv(logged\_eb\_lolly\_scores, 100.0)

return eb\_lolly\_scores