

# ??????

rank\_tree  
 [array of 16 boxes] [array of 16 boxes]  
 [array of 16 boxes]

## ?????

1. [array of 16 boxes] [array of 16 boxes]
2. [array of 8 boxes] [array of 8 boxes]
  1. [array of 8 boxes]
  2. [array of 8 boxes]
3. [array of 8 boxes]
4. [array of 8 boxes]
  1. class 128 x 128 x 128 x 128
  2. [array of 8 boxes]

## ?????

1. new [array of 16 boxes] new [array of 16 boxes]
2. [array of 8 boxes]
3. [array of 8 boxes]
4. [array of 8 boxes]
5. [array of 8 boxes]
6. [array of 8 boxes] label,loss [array of 8 boxes], [array of 8 boxes]
7. [array of 8 boxes] 0 [array of 8 boxes] label,loss [array of 8 boxes], [array of 8 boxes]

## ??1?????

1. [array of 16 boxes]
2. [array of 8 boxes]
3. [array of 8 boxes]
4. [array of 8 boxes] " [array of 8 boxes] "

## ??2????

1. [array of 8 boxes] [array of 8 boxes] + [array of 8 boxes] [array of 8 boxes]
2. attention [array of 16 boxes] sigmoid [array of 16 boxes]
3. [array of 8 boxes] scale [array of 8 boxes]
  1. [array of 8 boxes]
  2. [array of 8 boxes] move step [array of 8 boxes]
  3. [array of 8 boxes] move step [array of 8 boxes]
  4. [array of 16 boxes]
4. [array of 16 boxes]

5.

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1.

weight  grad

2.

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Revision #4

Created 2025-01-11 09:44:05 UTC by Colin

Updated 2026-04-29 07:34:14 UTC by Colin