

```
0.00752
cross ent:
 [array([-0.69322899, -0.69324529, -0.69323517, -0.6932057, -0.69321807,
       -0.69306202, -0.69306264, -0.69324398, -0.69324835, -0.69306705,
       -0.69307035, -0.6932491, -0.69306606, -0.69307762, -0.69308681,
       -0.69323567, -0.6930834, -0.69305227, -0.69307258, -0.69325035,
      -0.69307115, -0.69305593, -0.69324186, -0.69307463, -0.69306413,
      -0.69322375, -0.69306531, -0.6930839, -0.69306351, -0.69306904,
      -0.69322706, -0.69322606, -0.69321645, -0.69305997, -0.69307849,
      -0.69306463, -0.6932177, -0.69305829, -0.69323455, -0.6932265,
      -0.69307731, -0.69321557, -0.6932591, -0.69305786, -0.69306482,
      -0.69307314, -0.69307128, -0.69305842, -0.69325804, -0.69306239,
```

-0.69324954, -0.69324535, -0.69306811, -0.6932861, -0.69307606, -0.693076 , -0.69323611 , -0.69322544 , -0.69321819 , -0.69306854 , -0.69308042, -0.69323667, -0.69323517, -0.69306202, -0.6930884 , -0.69305363, -0.69307153, -0.69323418, -0.69324279, -0.69323961, -0.69323286, -0.69325835, -0.69307215, -0.69322469, -0.69324267, -0.69326629, -0.69324073, -0.69305637, -0.69307091, -0.69321183, -0.69307432, -0.69308097, -0.69324167, -0.6932501, -0.69305997, -0.69323755, -0.6930765, -0.69321083, -0.69305295, -0.69304891, -0.69306109, -0.69307892, -0.69307905, -0.69306395, -0.69308216, -0.69308489, -0.69323724, -0.69307774, -0.693077 , -0.69323686, -0.69323848, -0.69306171, -0.69306103, -0.69326435, -0.69306326, -0.69308017, -0.69304792, -0.69308042, -0.69322962, -0.69306743, -0.69305997, -0.69321788, -0.69306743, -0.69305972, -0.69308309, -0.69307824, -0.69307762, -0.69304705, -0.69307115, -0.6930714, -0.69305699, -0.69307992, -0.69308521, -0.69324017, -0.69308789, -0.69307582, -0.69307613, -0.6932323, -0.69323549, -0.69306556, -0.69305848, -0.69306078, -0.69308833, -0.69324129, -0.69306152, -0.69324941, -0.69325879, -0.69307041, -0.69307283, -0.69306326, -0.69322437, -0.69306109, -0.69303997, -0.69322194, -0.69306562, -0.69306159, -0.69324061, -0.69323399, -0.69328348, -0.69306283, -0.69307625, -0.69323898, -0.69306314, -0.69304513, -0.69323324,