



测试目录包包括运行库, nbg 文件, 测试用例以及仿真产生的 input tensor 文件。

名称 ^	修改日期	类型	大小
] libVIPlite.so	2022/1/8 16:00	SO 文件	117 KB
libVIPuser.so	2022/1/8 16:00	SO 文件	34 KB
network_binary.nb	2022/1/8 18:39	NB 文件	5,406 KB
yolov3-tiny	2022/1/8 19:41	文件	48 KB
input_0.dat	2022/1/8 19:00	DAT 文件	507 KB
input_0.dat	**************************************		507 KB
eSecf5f467556939190e9cf9092f3993f xdroid65:~/WorkSpace/model/qunlun	e33faadf426453b8dfa57b838a93d02ae8b study/test-tiny\$ ls -1		5868648ela74f00f4bcl372
wExdroid65:-/WorkSpace/model/qunlun 180eSecf5f467556339190e9cf9092f3993f wExdroid65:-/WorkSpace/model/qunlun 1 caoxilong caoxilong 519168 Jan 1 caoxilong caoxilong 119100 Jan 1 caoxilong caoxilong 34032 Jan	e33faadf426453b8dfa57b838a93d02ae8E study/test-tiny% ls -1 8 19:00 input_0.dat 8 16:00 libVIFlite.so		

对比 SHA 码,确实是上面我们导出的那一个 NBG 文件。

测试

执 行 导 出 环 境 变 量 的 操 作 后 , 执 行 命 令 验 证 , 事 先 执 行 export LD_LIBRARY_PATH=\$LD_LIBRARY_PATH:/mnt/sdcard, 以及 export VNN_LOOP_TIME=100000000,表示循环执行 100000000 次。

```
root@Tinalinux:/mnt/sdcard/test-tiny# export LD_LIBRARY_PATH=$LD_LIBRARY_PATH:/m
nt/sdcard/test-tiny
root@Tinalinux:/mnt/sdcard/test-tiny# ls
input 0.dat libvIPuser.so yolov3-tiny
libvIPlite.so network binary.nb
root@Tinalinux:/mnt/sdcard/test-tiny# ./yolov3-tiny network_binary.nb input_0.da
t
Usage: [ 70.856071] npu[433][433] vipcore, device init..

nbg_name input_data1 input[ 70.861927] #enter_SetClock#
data2...
[ 70.889966] npu[433][433] gckvip_drv_init user alloc 0 size, use default ion size
[ 70.878406] enter av vip mem alloc size 33554432
[ 70.90900] av vip mem alloc vir 0xe19876900, phy 0x800000
[ 70.909078] npu[433][433] gckvip_drv_init user alloc 0 size, use default ion size
[ 70.909078] npu[433][433] gckvip_drv_init kernel logical phy address=0x800000 virtual =0xe1987600
[ 70.919375] npu[433][433] yckvip_drv_init kernel logical phy address=0x800000 virtual =0xe1987600
[ 70.919375] npu[433][433] groore, fail get info, user logical=0x (null), physical=0x800000, size=0x2000000

Create Neural Network: 89.73ms or 89727.88us

Start run graph [1] times...

Run the 1 time: 14.09ms or 14091.92us
vip run network execution time:
Total 14.24ms or 14238.04us
Average 14.24ms or 14238.04us
Average 14.24ms or 14238.04us
Average 14.24ms or 14238.04us
Average 14.24ms or 14238.04us
[ 71.118180] av vip_mem free vir 0xe198f000, phy 0x800000
[ 71.121147] av vip_mem free vir 0xe198f000, phy 0x800000
[ 71.121167] av vip_mem free vir 0xe198f000, phy 0x800000
[ 71.121167] av vip_mem free vir 0xe198f000, phy 0x800000
[ 71.121676] av vip_mem free vir 0xe198f000, phy 0x800000
[ 71.121676] av vip_mem free vir 0xe198f000, phy 0x800000
[ 71.121676] av vip_mem free vir 0xe198f000, phy 0x800000
[ 71.121676] av vip_mem free vir 0xe198f000, phy 0x800000
[ 71.121676] av vip_mem free vir 0xe198f000, phy 0x800000
[ 71.121676] av vip_mem free vir 0xe198f000, phy 0x800000
[ 71.146756] ppu[433][433] vipcore, device un-init..
root@Tinalinux:/mnt/sdcard/test-tiny# ./yolov3-tiny network_binary.nb input_0.da
```

```
Run the 9967 time: 41.05ms or 14059.54us
Run the 9967 time: 41.05ms or 14051.75us
Run the 9967 time: 41.05ms or 14051.75us
Run the 9970 time: 14.05ms or 14051.75us
Run the 9971 time: 41.05ms or 14051.75us
Run the 9971 time: 41.05ms or 14051.53us
Run the 9977 time: 41.05ms or 14051.53us
Run the 9977 time: 41.05ms or 14051.53us
Run the 9978 time: 41.05ms or 14051.53us
Run the 9978 time: 41.05ms or 14051.53us
Run the 9978 time: 41.05ms or 14053.53us
Run the 9981 time: 41.05ms or 14053.53us
Run the 9981 time: 41.05ms or 14053.53us
Run the 9981 time: 41.05ms or 14053.53us
Run the 9983 time: 41.05ms or 14053.53us
Run the 9988 time: 41.05ms or 14053.75us
Run the 9989 time: 41.05ms or 14053.75us
Run the 9989 time: 41.05ms or 14053.75us
Run the 9989 time: 41.05ms or 14053.75us
Run the 9980 time: 41.05ms or 14053.75us
Run the 9990 time: 41.05ms or 14053.7
```

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