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| 区块链学习进价 |
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| **ADE-001**  **Revision1.10**  **2015-8-1** |

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# 

1.How the network operates after accepting the orphan Blocks?

收到orphan blocks后网络有什么操作

2.Whethe the orphan node has the upper limit or not?And what's delete algorithm after it reach the upper limit:

Orphan块有无上限，若有上限，达到上限删除算法请描述一下。

3.What are respectively store in maporphanBlocks and maporphanBlocksByPrev?Why to store two maps?

mapOrphanBlocks和mapOrphanBlocksByPrev分别存放的是什么？为什么要存放两个map?

4.How to construct CBlockLocator?

CBlockLocator如果构造？

5.比特币如何在节点之间达成共识的，请描述两个节点直接的共识过程。

6.List the data structure of "getblocks" .

请列出“getblocks”的数据结构

7.Under what kind of circumstance that may put the accepted block into the disk:

收到Block后什么情况下才能放到磁盘中，请大致描述下整个过程。

8.What's the reason that the process of AcceptBlock is rejected?

AccpetBlock的过程中可能被拒绝的原因

9.What is the key operation of Add to Block Index?

Add to Block Index 有些什么关键操作

10. What is operation releated to Find mostworkchain()?

简述Findmostworkchain()函数逻辑

11.ChainActive、chainMostWork、SetBlockIndexValid、pIndexBestInvalid

What are store in above structs?And what are the different among them?

ChainActive、chainMostWork、SetBlockIndexValid、pIndexBestInvalid结构分别存放什么？有什么区别

12.What are saved in mapTx and mapNextTx of Mempool?

Mempool里的mapTx和mapNextTx存放的分别是什么？

13.List the operations in the process to delete the Block from chain Active?

把Block从chainActive中删除时，做了哪些操作，请详述整个过程。

14.What kind of conditions has been checked in CheckTransaction?

CheckTranstaction时检查了哪些项目？

15.Describe the algorithmin processBlock function for processing orphan node.

描述processBlock函数中对孤块的处理算法

16.What's the meaning for using CBlockIndex, nstatus？

使用对象CBlockIndex,nStatus有什么意义？

17.Describe all the checking process of the client when accept a block.

描述从网络接收到一个block之后的校验步骤

18.What opertations are related to ActiveBestChain?And to connectTip?

描述ActiveBestChain的逻辑？描述connectTip的逻辑？

19.非对称加密的工作原理，比特币中的私钥和公钥如何工作？比特币钱包加密后对钱包文件的有哪些影响？