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[Pos\_C\_XCDX\_E, 肽展分词索引类 592](#_Toc30523)

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[StaticFunctionMapO\_VECS\_C 593](#_Toc676)

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[StaticFunctionMapM\_IDUQ\_C 593](#_Toc16091)

[StaticFunctionMapA\_VECS\_E 593](#_Toc22483)

[StaticFunctionMapA\_IDUQ\_E 593](#_Toc12433)

[StaticFunctionMapO\_VECS\_E 593](#_Toc3288)

[StaticFunctionMapO\_IDUQ\_E 593](#_Toc4149)

[StaticFunctionMapP\_VECS\_E 593](#_Toc6774)

[StaticFunctionMapP\_IDUQ\_E 593](#_Toc26586)

[StaticFunctionMapM\_VECS\_E 593](#_Toc32682)

[StaticFunctionMapM\_IDUQ\_E 593](#_Toc10994)

[StaticFunctionMapV\_AOPM\_C 593](#_Toc14559)

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[StaticFunctionMapE\_AOPM\_C 593](#_Toc30575)

[StaticFunctionMapE\_IDUQ\_C 593](#_Toc15469)

[StaticFunctionMapC\_AOPM\_C 593](#_Toc30288)

[StaticFunctionMapC\_IDUQ\_C 593](#_Toc23817)

[StaticFunctionMapS\_AOPM\_C 593](#_Toc22670)

[StaticFunctionMapS\_IDUQ\_C 594](#_Toc27486)

[StaticFunctionMapV\_AOPM\_E 594](#_Toc30976)

[StaticFunctionMapV\_IDUQ\_E 594](#_Toc15193)

[StaticFunctionMapE\_AOPM\_E 594](#_Toc14914)

[StaticFunctionMapE\_IDUQ\_E 594](#_Toc17815)

[StaticFunctionMapC\_AOPM\_E 594](#_Toc25349)

[StaticFunctionMapC\_IDUQ\_E 594](#_Toc26664)

[StaticFunctionMapS\_AOPM\_E 594](#_Toc13417)

[StaticFunctionMapS\_IDUQ\_E 594](#_Toc8405)

[StaticFunctionMapI\_VECS\_C 594](#_Toc31608)

[StaticFunctionMapI\_AOPM\_C 594](#_Toc4494)

[StaticFunctionMapD\_VECS\_C 594](#_Toc3136)

[StaticFunctionMapD\_AOPM\_C 594](#_Toc6272)

[StaticFunctionMapU\_VECS\_C 594](#_Toc9514)

[StaticFunctionMapU\_AOPM\_C 594](#_Toc14235)

[StaticFunctionMapQ\_VECS\_C 594](#_Toc12525)

[StaticFunctionMapQ\_AOPM\_C 594](#_Toc25906)

[StaticFunctionMapI\_VECS\_E 594](#_Toc4385)

[StaticFunctionMapI\_AOPM\_E 594](#_Toc30413)

[StaticFunctionMapD\_VECS\_E 594](#_Toc32335)

[StaticFunctionMapD\_AOPM\_E 594](#_Toc8039)

[StaticFunctionMapU\_VECS\_E 594](#_Toc12728)

[StaticFunctionMapU\_AOPM\_E 594](#_Toc1191)

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[DNA元基催化与肽计算肽展 594](#_Toc11513)

[DNA元基催化与肽计算解码 594](#_Toc21632)

[DNA元基催化与肽计算养疗经应用研究 594](#_Toc16112)

[德塔华瑞集养疗经软件工程类源码引用综合表 594](#_Toc20811)

第一章 德塔自然语言图灵系统

第一节 研发说明

德塔语言图灵工程API说明书V\_10\_6\_1

起源动机

（主观和客观状态名词表达语句略）作者2018 年前一直用 Lucene 包分词. 这里表示由衷的感谢。于是作者通过自己语文教育能力和对中文的理解编辑成函数. 目前速度达到每秒分词1650万中文字。6万词库，准确率到99.7%，可自适应修改词库和扩展当前算法。

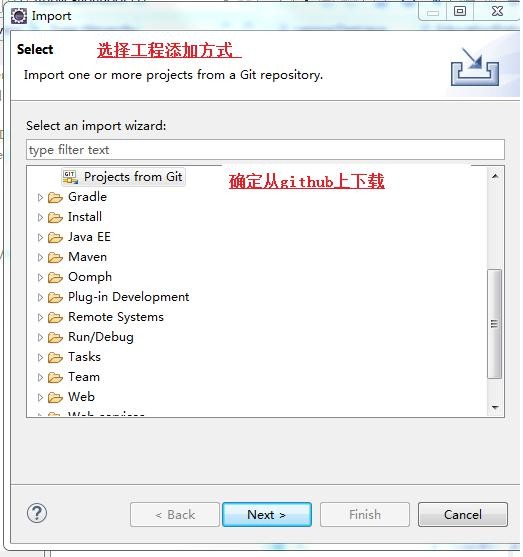
简介

Deta 图灵工程作为 Deta 人工智能的核心组成部份主要任务就是极为快速词语处 理. 主要用在文本的快速词语分离, 词性分析, 自然语言处理和心理学领域 .

使用方法

1下载 java 开发软件:Eclipse: https://[www.eclipse.org/](http://www.eclipse.org/)

2 Intellij: <https://www.jetbrains.com/idea/>

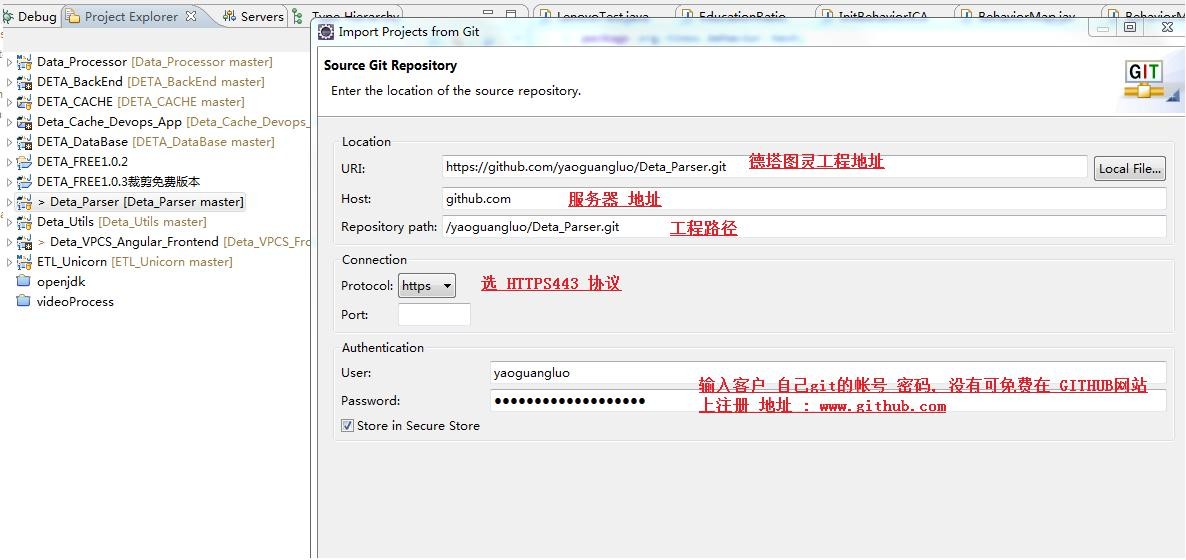


导入 deta 图灵 api ( API 是类库,接口 的意思, select 是选择 的意思 )

3 点 URI (uri 是互联网传输的一种协议规范关键字)

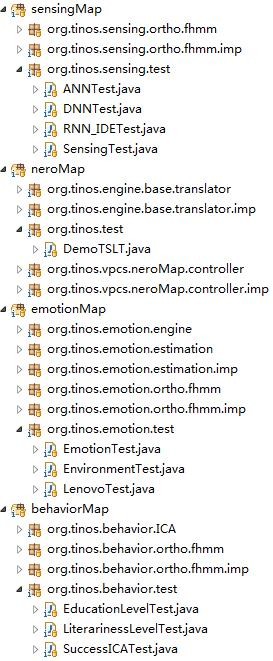
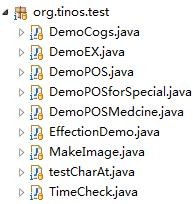


4输入 Git 导入目标地址 (git 是版本持续化控制软件, repository 是 git 工程的下载标识, host 是远程 主机, repository path 是 git 工程 在主机上下载链接, protocol 是是通信协议, port 是端口, authentication 是密钥, user 是帐户名, password 是密码, store in secure store 是记录保存)



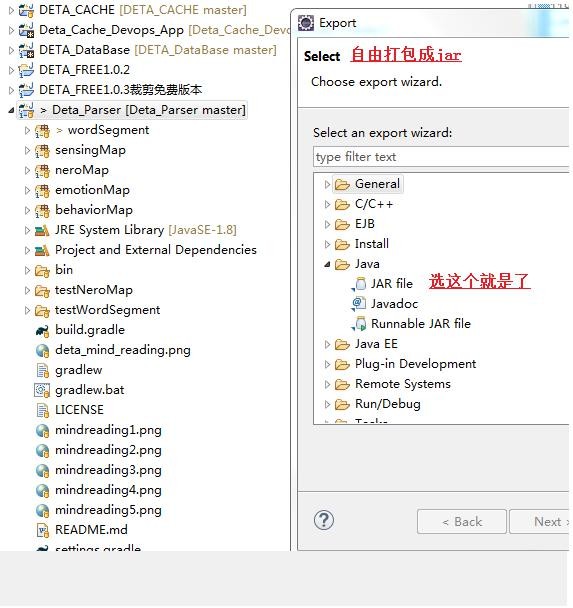
5生成 eclipse 工程 因为是无插件底层源码, 所以可以自由集成为pom, gradle, web,或者general 工程模式. (POM 是xml 形式的库标识 标识, gradle 是 模板形式, web 是web 2.0 动态java 工程, general 是普通java 工程 )

6运行例子就可以了 所有 demo 和 test 都是 可运行实例 (demo 是例子的意思, test 是测试的意思 鼠标右键,点运行就可以了.)



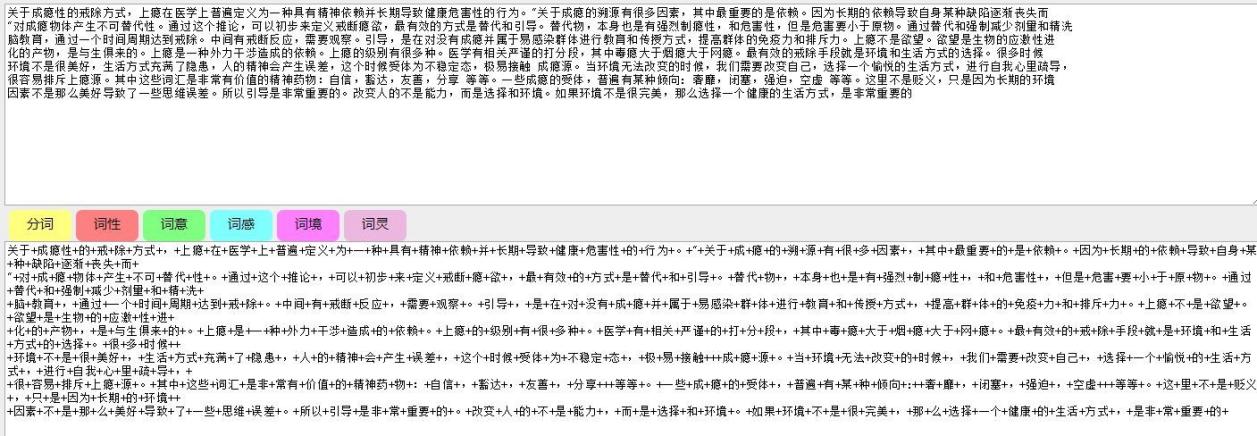
7 网页 例子:<http://tinos.qicp.vip/data.html>

8 可以任意 打包 jar 作为商业 库销售和集成.( jar 是 java 的库的意思 , 可运行,可扩展, 可集成, export 是打包输出的意思)



具体重要功能展示

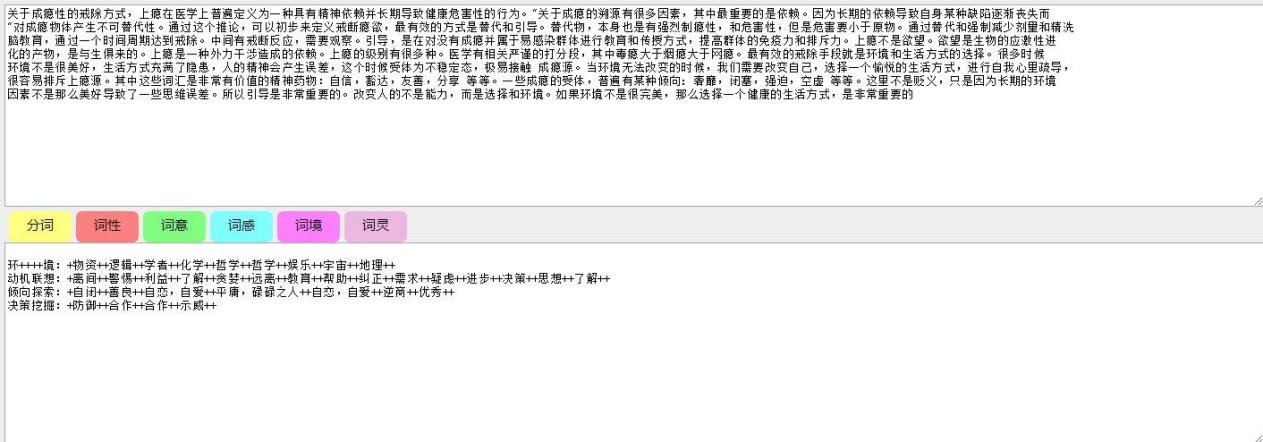
1 最新：每秒 1650 万中文快速分词:



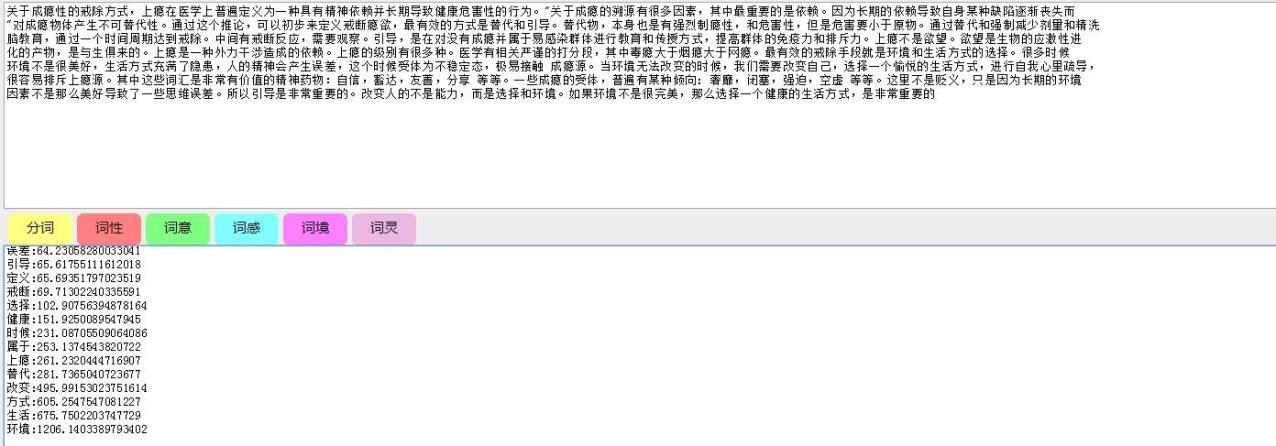
2 每秒 900 万中文词性标注



3 文字意义 分析



4文字情感 分析



5文字语境 分析



6其他小功能分析例子略.

适用范围

Deta 机器人意识进化系统. Deta 读心术基础. Deta 教 育 辅 导 . Deta 文 本 挖 掘 . Deta 刑 侦 辅 导 . Deta 心智训练Deta 商业用语分析. 等

注意

注意 1：该正面，褒义，负面，贬义，中性情感语料库有一定比重的表达作者的主观判断，比如思维误差，肯定环境，否定环境，哲学精神论等，如果引起不适，请自定修改词库文件。 如果该情感库对第三方导致任何工程问题，作者不做任何解释和负法律责任。

注意 2: 因为关键字和形谓词模型的应用不确定性，意识和社会形态的溯源问题以及字典理解的误差率，该情感语料库不做任何解释在基于法律与道德的临界线区分应用上。

注意 3: 多语意识场合，该情态库不做任何情形分类评估标准，也不做引导性评估。

注意 4: 该作品免费版本使用权由国际软件研发协议GPL-2.0 证书保护. 任何单位任意修改集成使用时请标注Deta 公司 关键字: “浏阳德塔软件开发有限公司” 或者 “罗瑶光”

注意 5: 当前版本是 10.6.1, 一直在优化中,有任何bug 请直接联系作者. QQ: 2080315360，

TEL: 15116110525， EMAIL: [2080315360@qq.com](mailto:2080315360@qq.com)

感谢

Deta 的语料库词汇 的 12 国翻译词汇来自有道,百度网的一个词一个词翻译.Deta 的语料库词汇 的词性词汇来自复旦大学的开源翻译软件一个词一个词标注.

Deta 项目设计 采用 Mind Master 软件.Deta 项目研发 采用 Eclipse IDE 软件.

Deta 项目测试 采用 JUNIT API 软件. Deta 项目作品 主要采用 JAVA JDK8+.Deta 项目语义认知思维能力来自作者学习长达 16 年由中国人民教育出版社出版的国学语文教材.

同时感谢Lucene 为作者研究提供了启蒙基础.(当时(2009)中科院基于 lucene 内核写中文插件, 在此标注). 作者长期使用windows 操作系统开发, 电脑装360 杀毒软件保证了8 个月的高效研发环境. 感谢 github 备份, 节省了作者 大量的存储硬盘, 同时方便 查阅, 逻辑 的鼠标键盘, fhilips 32 寸步屏幕 给作者 提供了迅捷 的输入输出 便利. 当然 电信的网络, 花生壳的穿透本地测试, 老爸, 老妈, 都要感谢的.

研发需要清单

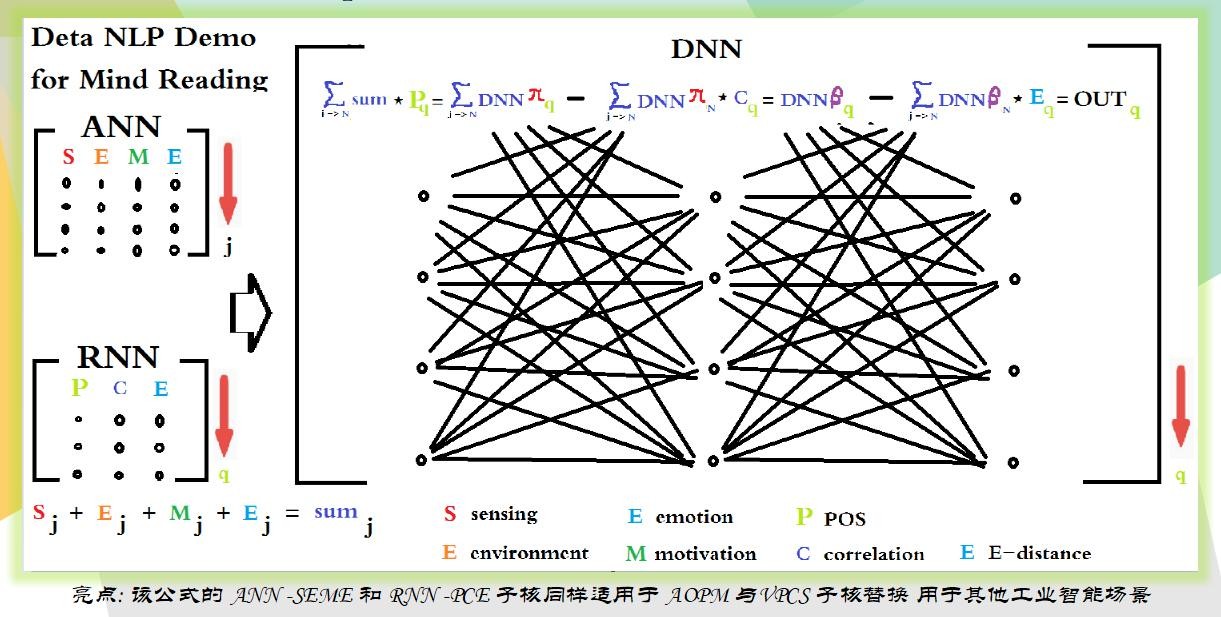
Java 编辑器.Jdk8+. Java 虚拟机运行环境. Junit测试包. 一台连网的电脑.

1. 研发笔记

德塔读心术词汇重心图算法思想手稿20190908

罗瑶光

德塔的读心术强调的是增强文章的快速阅读理解，之前我有一张图片发布，我现在列出来如下：



为了方便大家的工程应用，我组织下简单的文字来进行描述下。

从上图。如果有一定经验的数据算法工程师是很容易理解的。如果是新手也不要着急，因为真正问题只是概念描述 的问题。

Deta 的DNN 是一个前序比对累增积分过程的内核算法。需要做这个算法，必要条件是 ANN 的最终运算集合以及 RNN 的卷积内核参照。ANN 是比较基础的东西，基础归基础，应用领域非常强势，2 维的数据永远离不开他。通过 ANN 的计算，我们在处理文章的词汇计算中可以得到一些通用的信息集合，比如文章的敏感度，意识，作者的精神状态，动机，作者当时的多语言环境因素等等，为什么可以得到？原因是比较通俗易懂的，因为褒义，贬义统计，文章的不同的词性的比例，和词汇的转义猜测，和名词的分类引申，这些基础都是非常简单的信息进行普通处理。

RNN 的内核矩阵就麻烦点了。DETA 的 RNN 内核矩阵主要是三个维度：词性的统计值，相同词汇的频率已经在文章中出现的欧几里得距离重心，斜率关联等等，这里需要严谨的算法公式来推到出内核。

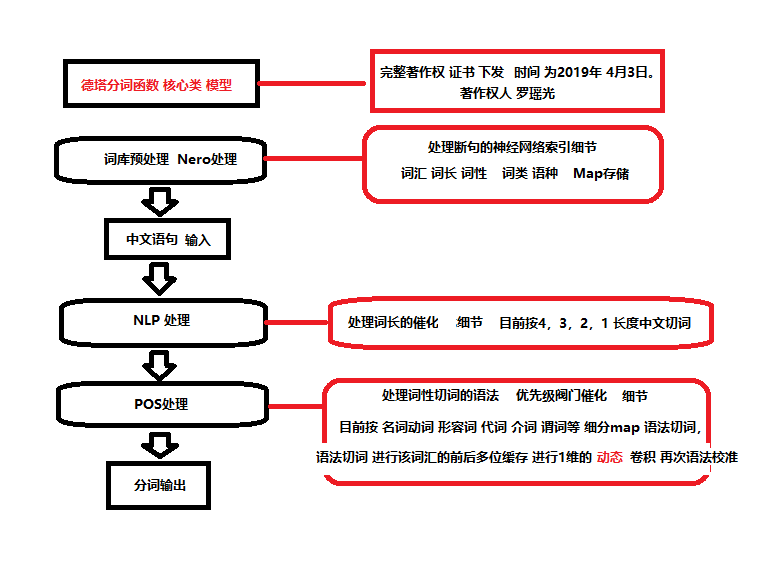
有了 ANN 的最终数据集合 和 RNN 的卷积核，我们就可以做 CNN 轮询了 DETA 的 DNN 计算定义就是基于德塔的Ann 矩阵数据得到最终1 维数列比，然后进行德塔的RNN 内核做 卷积处理 的3 层深度前序累增积分概率比CNN 轮循运算。（为了追求更高的质量和精度，小伙伴可以自由改写我的作品思想源码，增加更多的维度皆可。永久开源，别担心著作权问题，以后赠予对象如有进行出版社出版，相关文字和内容的引用就要注意了。当前采用开源协议为GPL2.0协议，之前为APACHE2.0协议）

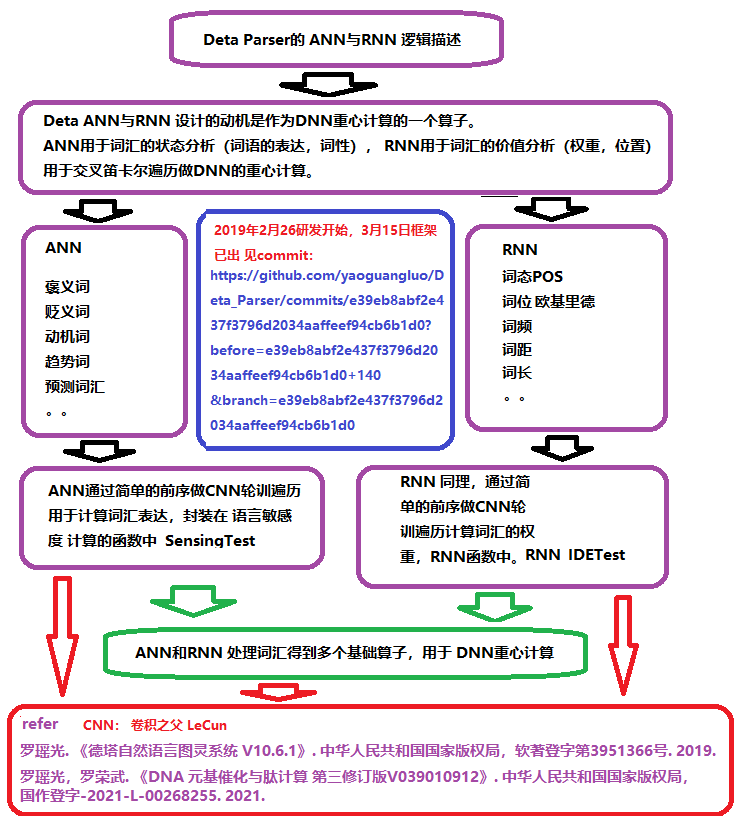
上面介绍的是 ANN，RNN, CNN 关于公式, 环境，原理和初始过程，关于 DETA DNN 的计算算法在图片中已经列出来了。

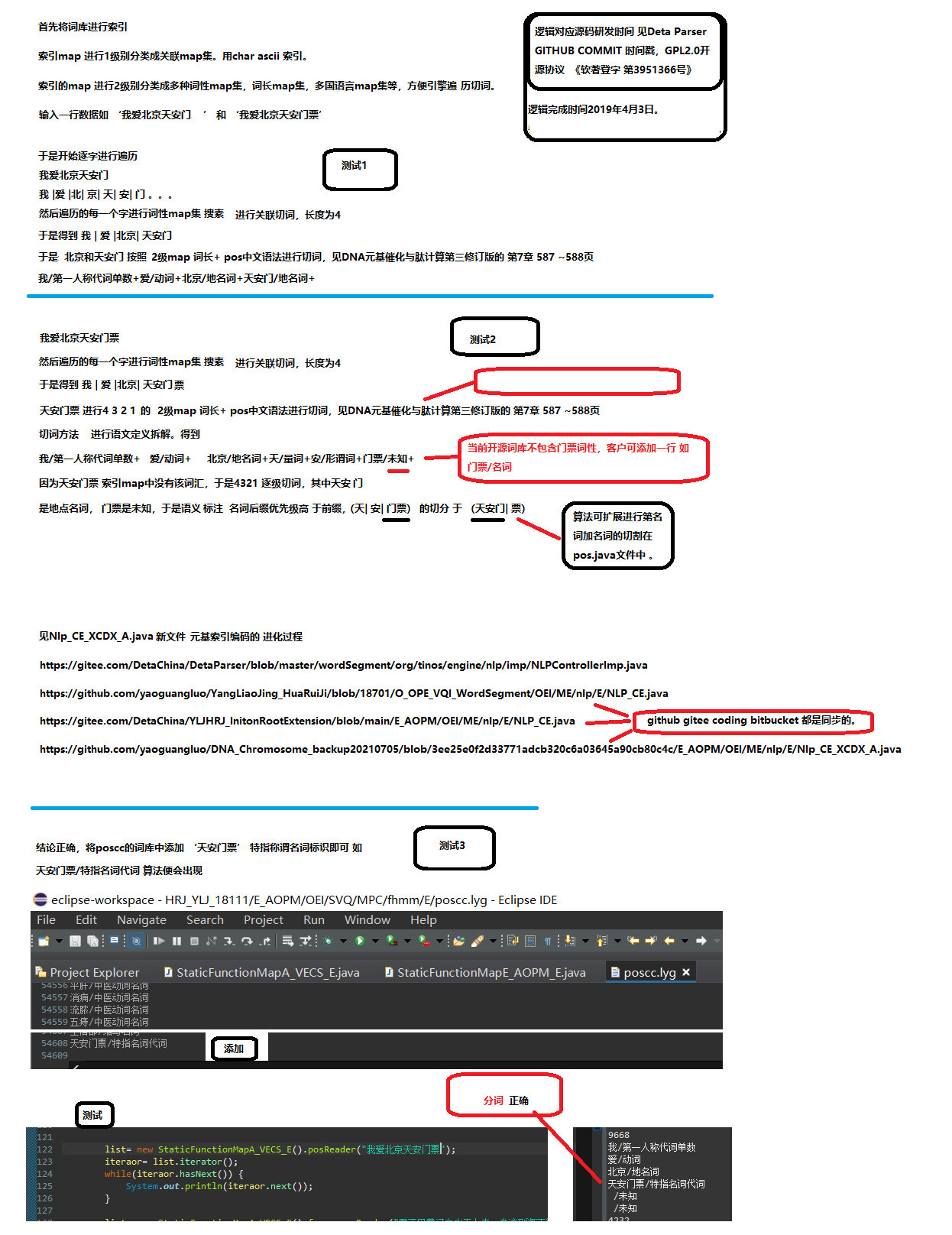
这个算法的相关实现代码的核心部分地址如下：

<https://github.com/yaoguangluo/Data_Processor/blob/master/DP/NLPProcessor/DETA_DNN.java>

第四修订版本新增：







第三节 研发源码

StableData, 静态类 已经更新为StablePOS，元基索引花的Stable数据都整理在这了。

对比第三修订版本，本人做了元基编码的整合， 一些冗余和重复的逻辑我会标注 （重复省略）四个字。

package SVQ.stable;

public interface StablePOS {

public static final String NLP\_CI\_MING= "名词";

public static final String NLP\_CI\_BA\_DONG= "把动词";

public static final String NLP\_CI\_DAI= "代词";

public static final String NLP\_CI\_DONG= "动词";

public static final String NLP\_CI\_DONG\_MING= "动名词";

public static final String NLP\_CI\_FU= "副词";

public static final String NLP\_CI\_JIE= "介词";

public static final String NLP\_CI\_LIANG= "量词";

public static final String NLP\_CI\_SHI\_TAI= "时态词";

public static final String NLP\_CI\_LIAN= "连词";

public static final String NLP\_CI\_QING\_TAI= "情态词";

public static final String NLP\_CI\_WEI= "谓词";

public static final String NLP\_CI\_XING\_RONG= "形容词";

public static final String NLP\_CI\_XING\_WEI= "形谓词";

public static final String NLP\_CI\_ZHU= "助词";

public static final String NLP\_CI\_SHENG\_LUE= "省略词";

public static final String NLP\_CI\_XIAN\_DING= "限定词";

public static final String NLP\_CI\_DING\_MING = "定名词";

public static final String NLP\_FU\_SHU= "复数";

public static final String NLP\_ZI\_MING= "名";

public static final String NLP\_ZI\_DONG= "动";

public static final String NLP\_ZI\_XING= "形";

public static final String NLP\_ZI\_FU= "副";

public static final String NLP\_ZI\_WEI= "谓";

public static final String NLP\_ZI\_JIE= "介";

public static final String NLP\_ZI\_DAI= "代";

public static final String NLP\_ZI\_复= "复";

public static final String NLP\_ZI\_单= "单";

public static final String NLP\_ZI\_一= "一";

public static final String NLP\_HAVE\_HAS= "have(has)";

public static final String NLP\_HAS= "has";

public static final String NLP\_HAVE= "have";

public static final String NLP\_ZI\_ZAI= "在";

public static final String NLP\_SYMBO\_SLASH= "/";

public static final String NLP\_ZI\_ZHONG= "中";

public static final String NLP\_ENGLISH\_OF= "of";

public static final String NLP\_ENGLISH\_S= "s";

public static final String NLP\_ENGLISH\_ES= "es";

public static final String NLP\_ENGLISH\_ING= "ing";

public static final String NLP\_ENGLISH\_STATUS= "status";

public static final String NLP\_ENGLISH\_THE= "the";

public static final String NLP\_NULL= "null";

public static final String NLP\_DOT= ",";

public static final String NLP\_SPASE\_REP= "\\s+";

public static final char NLP\_CHAR\_E= 'e';

public static final char NLP\_CHAR\_H= 'h';

public static final char NLP\_CHAR\_S= 's';

public static final int INT\_ERROR= -1;

public static final int INT\_RIGHT= 1;

public static final int INT\_ZERO= 0;

public static final int INT\_ONE= 1;

public static final int INT\_TWO= 2;

public static final int INT\_THREE= 3;

public static final int INT\_FOUR= 4;

public static final int INT\_FIVE= 5;

public static final int INT\_SIX= 6;

public static final int INT\_SEVEN= 7;

public static final int INT\_TEN= 10;

public static final int INT\_EIGHT= 8;

public static final int INT\_NINE= 9;

public static final int INT\_ELEVEN= 11;

public static final int INT\_TWELVE= 12;

public static final int INT\_THIRTEEN= 13;

public static final int INT\_FOURTEEN= 14;

public static final int INT\_NINTY= 90;

public static final int INT\_NINTY\_SEVEN= 97;

public static final int INT\_ONE\_TWO\_EIGHT= 128;

public static final int INT\_TEN\_SOUTHANDS= 10000;

public static final int INT\_ONE\_TWO\_TWO= 122;

public static final int INT\_SIXTEEN= 16;

public static final int INT\_SIXTY\_FOUR= 64;

public static final String UNLIKELY\_ARG\_TYPE= "unlikely-arg-type";

public static final String RAW\_TYPES= "rawtypes";

public static final String EMPTY\_STRING= "";

public static final String SPACE\_STRING= " ";

public static final String SPACE\_STRING\_DISTINCTION= " ";

public static final String UNCHECKED= "unchecked";

public static final String GBK\_STRING= "GBK";

public static final String UTF8\_STRING= "UTF8";

public static final String WORDS\_SOURSE\_LINK\_POS\_CN\_TO\_CN= "poscc.lyg";

public static final String WORDS\_SOURSE\_LINK\_POS\_EN\_TO\_CN= "posec.lyg";

public static final String WORDS\_SOURSE\_LINK\_POS\_EN\_TO\_EN= "posee.lyg";

public static final String WORDS\_SOURSE\_LINK\_POS\_CN\_TO\_FN= "poscf.lyg";

public static final String WORDS\_SOURSE\_LINK\_POS\_CN\_TO\_KO= "posck.lyg";

public static final String WORDS\_SOURSE\_LINK\_POS\_CN\_TO\_JP= "poscj.lyg";

public static final String WORDS\_SOURSE\_LINK\_POS\_CN\_TO\_GM= "poscg.lyg";

public static final String WORDS\_SOURSE\_LINK\_POS\_CN\_TO\_SP= "poscs.lyg";

public static final String WORDS\_SOURSE\_LINK\_POS\_CN\_TO\_RS= "poscr.lyg";

public static final String WORDS\_SOURSE\_LINK\_POS\_CN\_TO\_AB= "posca.lyg";

public static final String WORDS\_SOURSE\_LINK\_POS\_CN\_TO\_PY= "poscp.lyg";

public static final String WORDS\_SOURSE\_LINK\_POS\_CN\_TO\_TT ="postt.lyg";

public static final String WORDS\_SOURSE\_LINK\_POS\_NEGATIVE= "posNegative.lyg";

public static final String WORDS\_SOURSE\_LINK\_POS\_POSITIVE= "posPositive.lyg";

public static final String WORDS\_SOURSE\_LINK\_MOTIVATION= "motivation.lyg";

public static final String WORDS\_SOURSE\_LINK\_TRENDING= "trend.lyg";

public static final String WORDS\_SOURSE\_LINK\_PREDICTION= "prediction.lyg";

public static final String WORDS\_SOURSE\_LINK\_DISTINCTION= "distinction.lyg";

public static final String WORDS\_SOURSE\_LINK\_EN\_TO\_CN= "ec.lyg";

public static final String WORDS\_SOURSE\_LINK\_CN\_TO\_EN= "ce.lyg";

public static final String NUMBERS= "1234567890";

}

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package SVQ.stable;

import java.util.HashMap;

import java.util.Map;

public interface StableMaps{

public static final Map<String, String> fuCi = new HashMap<>();

public static final Map<String, String> dongCi= new HashMap<>();

public static final Map<String, String> liangCi= new HashMap<>();

public static final Map<String, String> lianCi= new HashMap<>();

public static final Map<String, String> baDongCi= new HashMap<>();

public static final Map<String, String> xianDingCi= new HashMap<>();

public static final Map<String, String> mingCi= new HashMap<>();

public static final Map<String, String> daiCi= new HashMap<>();

public static final Map<String, String> jieCi= new HashMap<>();

public static final Map<String, String> xingRongCi= new HashMap<>();

public static final Map<String, String> zhuCi= new HashMap<>();

public static final Map<String, String> weiCi= new HashMap<>();

public static final Map<String, String> shengLueCi= new HashMap<>();

public static final Map<String, String> qingTaiCi= new HashMap<>();

public static final Map<String, String> xingWeiCi= new HashMap<>();

public static final Map<String, String> shiTaiCi= new HashMap<>();

public static final Map<String, String> dingMingCi= new HashMap<>();

public static final Map<String, String> CiOne= new HashMap<>();

public static final Map<String, String> CiTwo= new HashMap<>();

public static final Map<String, String> CiThree= new HashMap<>();

public static final Map<String, String> CiFour= new HashMap<>();

}

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package SVQ.stable;

public interface StableAnnotation {

public static final String ATTENSION\_UNCURRENT\_CHOICE= "当前没有选中文档。";

public static final String ATTENSION\_UPDATE\_ENSURE= "确认更新在该文档:";

public static final String ATTENSION\_SELECT\_ENSURE= "确认选择文档地址？";

public static final String ATTENSION\_CANCELLED\_OPERATION= "亲，您刚取消了当前操作~";

public static final String ATTENSION\_RECHOICE= "不是.etl格式文档，请重新选择。";

public static final String ATTENSION\_CANCEL\_ENSURE= "再次确认要删除吗？是否已经保存？";

public static final String ATTENSION\_DELETE= "亲，当前ETL流删除的干干净净~";

public static final String ATTENSION\_LOAD\_ENSURE= "再次确认要导入吗？当前已经保存？";

public static final String ATTENSION\_LOAD\_HISTORY= "选择历史档案";

public static final String FILE\_FORMAT\_ETL= ".etl";

public static final String NODE\_ADD\_ERROR= "节点添加失败~请重试。";

public static final String NODE\_UPDATE\_ERROR= "节点配置失败~请重试。";

public static final String NODE\_UPDATE\_SUCCESS= "配置成功~";

public static final String NODE\_EXEC\_ERROR= "节点运行失败~请重试。";

public static final String NODE\_INSPECT\_ERROR= "节点查看失败，请重试~";

public static final String NODE\_INDICATE\_SUCCESS= "显示成功~";

public static final String NODE\_EXEC\_SUCCESS= "运行成功~";

public static final String TAG\_DEPRECATION= "deprecation";

public static final String TAG\_STATIC\_ACCESS= "static-access";

public static final String TAG\_UNUSED= "unused";

public static final String TAG\_UNCHECKED= "unchecked";

public static final String TAG\_RAW\_TYPES= "rawtypes";

public static final String TAG\_SERIAL= "serial";

public static final String TAG\_RESOURCE= "resource";

public static final String CONFIG\_LOAD= "载入已有ETL";

public static final String CONFIG\_UPDATE= "保存并更新当前ETL";

public static final String CONFIG\_SAVE= "创建一个新的文档并保存";

public static final String CONFIG\_DELETE= "删除当前ETL";

public static final String CONFIG\_BOOT= "一键运行当前ETL";

public static final String CONFIG\_BOOT\_ETL= "一键运行ETL档案";

public static final String DOC\_CREATE= "在当前文件夹下创建一个档案名";

public static final String DOC\_EXIST= "文档已经存在。";

public static final String MARK\_QUESTION= "？";

public static final String hot= "红赤汗烧闷倦";

public static final String feng= "眩麻愁绪瘙痒震颤";

public static final String han= "白冷清卷缩";

public static final String shi= "困倦粘滞肿澨泄重";

public static final String zao= "干裂涩";

public static final String huo= "烂狂灼洪";

public static final String liuYin= "风寒暑湿燥火";

public static final String qiQing= "喜怒忧思悲恐惊";

public static final String yuXue= "刺痛固定夜重紫绀肿块出血舌紫瘀斑";

public static final String biaoHan= "恶寒重 发冷 头疼 头痛 身痛 身疼 无汗 舌白 脉浮 脉紧";

public static final String biaoRe= "发热 头痈 口干 微渴 有汗 舌红";

public static final String wangYang= "四肢凉 发冷 喜热饮 精神萎靡 面色苍白 气息微弱 脉微欲绝";

public static final String wangYin= "肌肤温 手足热 口渴 喜冷饮 燥妄不安 面色潮红 呼吸短促 舌干少津 脉细";

public static final String jiBaoShiChang= "腹胀厌食 吐泻 腐酸 ";

public static final String yinShiBuJie= "痢疾 腹痛 肠颤 吐泻 便溏";

public static final String tiaoShiPianShe= "便秘 腹胀 屁多 腹泻 ";

//......

public static final String ATTENSION\_FILE\_CHOICE= "您选择的不是文件夹，请重新选择。";

public static final String FILE\_FORMAT\_JAR= ".jar";

public static final String NODE\_NODE\_INTERFACE= "NodeASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI";

public static final String STRING\_EMPTY= "";

public static final String CONFIG\_OSGIS = "录入节点插件集";

}

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package SVQ.stable;

//StableCommon.STRING\_SYMBOL\_PER

//StableCommon.STRING\_EMPTY

public interface StableCommon {

public static final String STRING\_EMPTY= "";

public static final String STRING\_SYMBOL\_PER= ":";

}

。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。

package SVQ.stable;

import java.util.LinkedHashMap;

import java.util.Map;

public class StableFile{

public static Map<String, Object> DNA\_PDN= new LinkedHashMap<>();

// //test

public static final String logo\_png= "logo.png";

public static final String sc\_a\_png= "sc/a.png";

public static final String sc\_o\_png= "sc/o.png";

public static final String sc\_e\_png= "sc/e.png";

public static final String sc\_i\_png= "sc/i.png";

public static final String sc\_u\_png= "sc/u.png";

public static final String 手厥阴心包经\_png= "手厥阴心包经.png";

public static final String 手少阳三焦经\_png= "手少阳三焦经.png";

public static final String 手少阴心经\_png= "手少阴心经.png";

public static final String 手太阳小肠经\_png= "手太阳小肠经.png";

public static final String 手太阴肺经\_png= "手太阴肺经.png";

public static final String 手阳明大肠经\_png= "手阳明大肠经.png";

public static final String 足厥阴肝经\_png= "足厥阴肝经.png";

public static final String 足少阳胆经\_png= "足少阳胆经.png";

public static final String 足少阴肾经\_png= "足少阴肾经.png";

public static final String 足太阳膀胱经\_png= "足太阳膀胱经.png";

public static final String 足太阴脾经\_png= "足太阴脾经.png";

public static final String 足阳明胃经\_png= "足阳明胃经.png";

public static final String bagua\_png= "bagua.png";

public static final String wsp\_png= "wsp.png";

public static final String wwp\_png= "wwp.png";

public static final String wxp\_png= "wxp.png";

public static final String shun\_png= "shun.png";

public static final String bagua\_bgbz\_png= "bagua\_bgbz.png";

public static final String bagua\_sjbz\_png= "bagua\_sjbz.png";

public static final String bagua\_ljbz\_png= "bagua\_ljbz.png";

public static final String bagua\_qxbz\_png= "bagua\_qxbz.png";

public static final String bagua\_gzxs\_png= "bagua\_gzxs.png";

public static final String bagua\_skch\_png= "bagua\_skch.png";

public static final String bagua\_MHYS\_png= "bagua\_MHYS.png";

public static final String bagua\_YHZP\_png= "bagua\_YHZP.png";

public static final String bagua\_QNZS\_png= "bagua\_QNZS.png";

public static final String bagua\_YDLR\_png= "bagua\_YDLR.png";

public static final String bagua\_HLLS\_png= "bagua\_HLLS.png";

public static final String bagua\_ZSBZ\_png= "bagua\_ZSBZ.png";

public static final String bagua\_KYCQ\_png= "bagua\_KYCQ.png";

public static final String \_4qp\_png= "4qp.png";

public static final String yc\_2\_1\_png= "2\_1.png";

public static final String yc= "yaoCaiTu";

public static final String poscc\_lyg= "poscc.lyg";

public static final String poscp\_lyg= "poscp.lyg";

public static final String PinYinCN\_lyg= "PinYinCN.lyg";

public static final String BiHuaCN\_lyg="BiHuaCN.lyg";

public static String key\_txt= "key.txt";;

public static String bcqj\_txt="bcqj.txt";

//zyzdx

public static String z\_txt="z.txt";

public static String shl\_txt="shl.txt";

//zynkx

public static String n\_txt="n.txt";

public static String wbx142f\_txt="wbx142f.txt";

public static String 中医方剂学\_txt="中医方剂学.txt";

public static String zydcd\_txt="zydcd.txt";

//xyscPage

public static String \_127个西医常用药品功能主治\_txt="127个西医常用药品功能主治.txt";

public static String 西医常用药\_txt="西医常用药.txt";

public static String 药理学\_第七版\_txt="药理学(第七版-).txt";

public static String 临床药物手册\_txt="临床药物手册.txt";

//xlx

public static String bg\_xun\_png="bg\_xun.png";

public static String bg\_li\_png="bg\_li.png";

public static String bg\_kun\_png="bg\_kun.png";

public static String bg\_dui\_png="bg\_dui.png";

public static String bg\_zhen\_png="bg\_zhen.png";

public static String bg\_gen\_png="bg\_gen.png";

public static String bg\_kan\_png="bg\_kan.png";

public static String bg\_qian\_png="bg\_qian.png";

//wskxPage

public static String wskxPage\_txt="wskxPage.txt";

//wkxPage

public static String wkxPage\_txt="wkxPage.txt";

//nk

public static String k\_txt="nkPage.txt";

//jzkxPage

public static String jzkxPage\_txt="jzkxPage.txt";

//fqzPage

public static String 保婴撮要\_明\_薛铠\_txt="保婴撮要-明-薛铠.txt";

public static String 慈幼便览\_清\_佚名\_txt="慈幼便览-清-佚名.txt";

public static String 傅青主女科歌括\_清\_傅山\_txt="傅青主女科歌括-清-傅山.txt";

public static String 保幼新编\_清\_卢光履\_txt="保幼新编-清-卢光履.txt";

public static String 儿科萃精\_\_陈守真\_txt="儿科萃精--陈守真.txt";

public static String 妇科百辩\_明\_庄履严\_txt="妇科百辩-明-庄履严.txt";

public static String 妇科秘书\_\_\_txt="妇科秘书--.txt";

public static String 妇科玉尺\_清\_沈金鳌\_txt="妇科玉尺-清-沈金鳌.txt";

public static String 妇人良方集要\_宋\_陈自明\_txt="妇人良方集要-宋-陈自明.txt";

public static String 傅青主女科\_明\_傅山\_txt="傅青主女科-明-傅山.txt";

public static String 傅青主男科重编考释\_明\_傅山\_txt="傅青主男科重编考释-明-傅山.txt";

//fyydPage

public static String 黄帝内经\_txt="黄帝内经.txt";

public static String 景岳全书\_txt="景岳全书.txt";

public static String 房中补益\_唐\_孙思邈\_txt="房中补益-唐-孙思邈.txt";

public static String 脉经\_txt="脉经.txt";

public static String 八十一难经\_汉\_扁鹊\_txt="八十一难经-汉-扁鹊.txt";

public static String 中藏经\_txt="中藏经.txt";

public static String 金匮要略\_txt="金匮要略.txt";

//fckxPage

public static String fckxPage8\_txt="fckxPage8.txt";

//nankekx

public static String nankekx8\_txt="nankekx8.txt";

//cecil

public static final String HarrisonsPrinciplesofInternalMedicine\_18ed1\_txt

= "HarrisonsPrinciplesofInternalMedicine-18ed1.txt";

public static final String HarrisonsPrinciplesofInternalMedicine\_18ed2\_txt

= "HarrisonsPrinciplesofInternalMedicine-18ed2.txt";

public static final String HarrisonsPrinciplesofInternalMedicine\_18ed3\_txt

= "HarrisonsPrinciplesofInternalMedicine-18ed3.txt";

public static final String HarrisonsPrinciplesofInternalMedicine\_18ed4\_txt

= "HarrisonsPrinciplesofInternalMedicine-18ed4.txt";

public static final String HarrisonsPrinciplesofInternalMedicine\_18ed5\_txt

= "HarrisonsPrinciplesofInternalMedicine-18ed5.txt";

public static final String HarrisonsPrinciplesofInternalMedicine\_18ed6\_txt

= "HarrisonsPrinciplesofInternalMedicine-18ed6.txt";

public static final String HarrisonsPrinciplesofInternalMedicine\_18ed7\_txt

= "HarrisonsPrinciplesofInternalMedicine-18ed7.txt";

public static final String HarrisonsPrinciplesofInternalMedicine\_18ed8\_txt

= "HarrisonsPrinciplesofInternalMedicine-18ed8.txt";

public static final String HarrisonsPrinciplesofInternalMedicine\_18ed9\_txt

= "HarrisonsPrinciplesofInternalMedicine-18ed9.txt";

public static final String HarrisonsPrinciplesofInternalMedicine\_18ed10\_txt

= "HarrisonsPrinciplesofInternalMedicine-18ed10.txt";

public static final String HarrisonsPrinciplesofInternalMedicine\_18ed11\_txt

= "HarrisonsPrinciplesofInternalMedicine-18ed11.txt";

public static final String HarrisonsPrinciplesofInternalMedicine\_18ed12\_txt

= "HarrisonsPrinciplesofInternalMedicine-18ed12.txt";

public static final String HarrisonsPrinciplesofInternalMedicine\_18ed13\_txt

= "HarrisonsPrinciplesofInternalMedicine-18ed13.txt";

public static final String HarrisonsPrinciplesofInternalMedicine\_18ed14\_txt

= "HarrisonsPrinciplesofInternalMedicine-18ed14.txt";

public static final String HarrisonsPrinciplesofInternalMedicine\_18ed15\_txt

= "HarrisonsPrinciplesofInternalMedicine-18ed15.txt";

public static final String HarrisonsPrinciplesofInternalMedicine\_18ed16\_txt

= "HarrisonsPrinciplesofInternalMedicine-18ed16.txt";

public static final String HarrisonsPrinciplesofInternalMedicine\_18ed17\_txt

= "HarrisonsPrinciplesofInternalMedicine-18ed17.txt";

////////////////////////////////////////

//// PUBLIC

// public static final String logo\_png= "/src/ME/sample/logo.png";

// public static final String sc\_a\_png= "/src/ME/sample/sc/a.png";

// public static final String sc\_o\_png= "/src/ME/sample/sc/o.png";

// public static final String sc\_e\_png= "/src/ME/sample/sc/e.png";

// public static final String sc\_i\_png= "/src/ME/sample/sc/i.png";

// public static final String sc\_u\_png= "/src/ME/sample/sc/u.png";

// public static final String 手厥阴心包经\_png= "/src/ME/sample/手厥阴心包经.png";

// public static final String 手少阳三焦经\_png= "/src/ME/sample/手少阳三焦经.png";

// public static final String 手少阴心经\_png= "/src/ME/sample/手少阴心经.png";

// public static final String 手太阳小肠经\_png= "/src/ME/sample/手太阳小肠经.png";

// public static final String 手太阴肺经\_png= "/src/ME/sample/手太阴肺经.png";

// public static final String 手阳明大肠经\_png= "/src/ME/sample/手阳明大肠经.png";

// public static final String 足厥阴肝经\_png= "/src/ME/sample/足厥阴肝经.png";

// public static final String 足少阳胆经\_png= "/src/ME/sample/足少阳胆经.png";

// public static final String 足少阴肾经\_png= "/src/ME/sample/足少阴肾经.png";

// public static final String 足太阳膀胱经\_png= "/src/ME/sample/足太阳膀胱经.png";

// public static final String 足太阴脾经\_png= "/src/ME/sample/足太阴脾经.png";

// public static final String 足阳明胃经\_png= "/src/ME/sample/足阳明胃经.png";

// public static final String bagua\_png= "/src/ME/sample/bagua.png";

// public static final String wsp\_png= "/src/ME/sample/wsp.png";

// public static final String wwp\_png= "/src/ME/sample/wwp.png";

// public static final String wxp\_png= "/src/ME/sample/wxp.png";

// public static final String shun\_png= "/src/ME/sample/shun.png";

// public static final String bagua\_bgbz\_png= "/src/ME/sample/bagua\_bgbz.png";

// public static final String bagua\_sjbz\_png= "/src/ME/sample/bagua\_sjbz.png";

// public static final String bagua\_ljbz\_png= "/src/ME/sample/bagua\_ljbz.png";

// public static final String bagua\_qxbz\_png= "/src/ME/sample/bagua\_qxbz.png";

// public static final String bagua\_gzxs\_png= "/src/ME/sample/bagua\_gzxs.png";

// public static final String bagua\_skch\_png= "/src/ME/sample/bagua\_skch.png";

// public static final String bagua\_MHYS\_png= "/src/ME/sample/bagua\_MHYS.png";

// public static final String bagua\_YHZP\_png= "/src/ME/sample/bagua\_YHZP.png";

// public static final String bagua\_QNZS\_png= "/src/ME/sample/bagua\_QNZS.png";

//

// public static final String bagua\_YDLR\_png= "/src/ME/sample/bagua\_YDLR.png";

// public static final String bagua\_HLLS\_png= "/src/ME/sample/bagua\_HLLS.png";

// public static final String bagua\_ZSBZ\_png= "/src/ME/sample/bagua\_ZSBZ.png";

// public static final String bagua\_KYCQ\_png= "/src/ME/sample/bagua\_KYCQ.png";

// public static final String \_4qp\_png= "/src/ME/sample/4qp.png";

// public static final String yc\_2\_1\_png= "/src/ME/sample/yc/2\_1.png";

// public static final String yc= "/src/ME/sample/yc";

// public static final String poscc\_lyg= "/src/ME/sample/poscc.lyg";

// public static final String poscp\_lyg= "/src/ME/sample/poscp.lyg";

// public static final String PinYinCN\_lyg= "/src/ME/sample/PinYinCN.lyg";

// public static final String BiHuaCN\_lyg= "/src/ME/sample/BiHuaCN.lyg";

// public static String key\_txt= "/src/ME/sample/key.txt";;

// public static String bcqj\_txt="/src/ME/sample/bcqj.txt";

// //zyzdx

// public static String z\_txt="/src/ME/sample/zyzdx/z.txt";

// public static String shl\_txt="/src/ME/sample/zyzdx/shl.txt";

// //zynkx

// public static String n\_txt="/src/ME/sample/zynkx/n.txt";

// public static String wbx142f\_txt="/src/ME/sample/zynkx/wbx142f.txt";

// public static String 中医方剂学\_txt="/src/ME/sample/zynkx/中医方剂学.txt";

// public static String zydcd\_txt="/src/ME/sample/zynkx/zydcd.txt";

// //xyscPage

// public static String \_127个西医常用药品功能主治\_txt="/src/ME/sample/xyscPage/127个西医常用药品功能主治.txt";

// public static String 西医常用药\_txt="/src/ME/sample/xyscPage/西医常用药.txt";

// public static String 药理学\_第七版\_txt="/src/ME/sample/xyscPage/药理学(第七版-).txt";

// public static String 临床药物手册\_txt="/src/ME/sample/xyscPage/临床药物手册.txt";

// //xlx

// public static String bg\_xun\_png="/src/ME/sample/xlx/bg\_xun.png";

// public static String bg\_li\_png="/src/ME/sample/xlx/bg\_li.png";

// public static String bg\_kun\_png="/src/ME/sample/xlx/bg\_kun.png";

// public static String bg\_dui\_png="/src/ME/sample/xlx/bg\_dui.png";

// public static String bg\_zhen\_png="/src/ME/sample/xlx/bg\_zhen.png";

// public static String bg\_gen\_png="/src/ME/sample/xlx/bg\_gen.png";

// public static String bg\_kan\_png="/src/ME/sample/xlx/bg\_kan.png";

// public static String bg\_qian\_png="/src/ME/sample/xlx/bg\_qian.png";

// //wskxPage

// public static String wskxPage\_txt="/src/ME/sample/wskxPage/wskxPage.txt";

// //wkxPage

// public static String wkxPage\_txt="/src/ME/sample/wkxPage/wkxPage.txt";

// //nk

// public static String k\_txt="/src/ME/sample/nk/nk.txt";

// //jzkxPage

// public static String jzkxPage\_txt="/src/ME/sample/jzkxPage/jzkxPage.txt";

// //fqzPage

// public static String 保婴撮要\_明\_薛铠\_txt="/src/ME/sample/fqzPage/保婴撮要-明-薛铠.txt";

// public static String 慈幼便览\_清\_佚名\_txt="/src/ME/sample/fqzPage/慈幼便览-清-佚名.txt";

// public static String 傅青主女科歌括\_清\_傅山\_txt="/src/ME/sample/fqzPage/傅青主女科歌括-清-傅山.txt";

// public static String 保幼新编\_清\_卢光履\_txt="/src/ME/sample/fqzPage/保幼新编-清-卢光履.txt";

// public static String 儿科萃精\_\_陈守真\_txt="/src/ME/sample/fqzPage/儿科萃精--陈守真.txt";

// public static String 妇科百辩\_明\_庄履严\_txt="/src/ME/sample/fqzPage/妇科百辩-明-庄履严.txt";

// public static String 妇科秘书\_\_\_txt="/src/ME/sample/fqzPage/妇科秘书--.txt";

// public static String 妇科玉尺\_清\_沈金鳌\_txt="/src/ME/sample/fqzPage/妇科玉尺-清-沈金鳌.txt";

// public static String 妇人良方集要\_宋\_陈自明\_txt="/src/ME/sample/fqzPage/妇人良方集要-宋-陈自明.txt";

// public static String 傅青主女科\_明\_傅山\_txt="/src/ME/sample/fqzPage/傅青主女科-明-傅山.txt";

// public static String 傅青主男科重编考释\_明\_傅山\_txt="/src/ME/sample/fqzPage/傅青主男科重编考释-明-傅山.txt";

// //fyydPage

// public static String 黄帝内经\_txt="/src/ME/sample/fyydPage/黄帝内经.txt";

// public static String 景岳全书\_txt="/src/ME/sample/fyydPage/景岳全书.txt";

// public static String 房中补益\_唐\_孙思邈\_txt="/src/ME/sample/fyydPage/房中补益-唐-孙思邈.txt";

// public static String 脉经\_txt="/src/ME/sample/fyydPage/脉经.txt";

// public static String 八十一难经\_汉\_扁鹊\_txt="/src/ME/sample/fyydPage/八十一难经-汉-扁鹊.txt";

// public static String 中藏经\_txt="/src/ME/sample/fyydPage/中藏经.txt";

// public static String 金匮要略\_txt="/src/ME/sample/fyydPage/金匮要略.txt";

// //fckxPage

// public static String fckxPage8\_txt="/src/ME/sample/fckxPage/fckxPage8.txt";

// //

// public static String nankekx8\_txt="nankekx8.txt";

//// //cecil

// public static final String HarrisonsPrinciplesofInternalMedicine\_18ed1\_txt = "/src/ME/sample/cecil/HarrisonsPrinciplesofInternalMedicine-18ed1.txt";

// public static final String HarrisonsPrinciplesofInternalMedicine\_18ed2\_txt = "/src/ME/sample/cecil/HarrisonsPrinciplesofInternalMedicine-18ed2.txt";

// public static final String HarrisonsPrinciplesofInternalMedicine\_18ed3\_txt = "/src/ME/sample/cecil/HarrisonsPrinciplesofInternalMedicine-18ed3.txt";

// public static final String HarrisonsPrinciplesofInternalMedicine\_18ed4\_txt = "/src/ME/sample/cecil/HarrisonsPrinciplesofInternalMedicine-18ed4.txt";

// public static final String HarrisonsPrinciplesofInternalMedicine\_18ed5\_txt = "/src/ME/sample/cecil/HarrisonsPrinciplesofInternalMedicine-18ed5.txt";

// public static final String HarrisonsPrinciplesofInternalMedicine\_18ed6\_txt = "/src/ME/sample/cecil/HarrisonsPrinciplesofInternalMedicine-18ed6.txt";

// public static final String HarrisonsPrinciplesofInternalMedicine\_18ed7\_txt = "/src/ME/sample/cecil/HarrisonsPrinciplesofInternalMedicine-18ed7.txt";

// public static final String HarrisonsPrinciplesofInternalMedicine\_18ed8\_txt = "/src/ME/sample/cecil/HarrisonsPrinciplesofInternalMedicine-18ed8.txt";

// public static final String HarrisonsPrinciplesofInternalMedicine\_18ed9\_txt = "/src/ME/sample/cecil/HarrisonsPrinciplesofInternalMedicine-18ed9.txt";

// public static final String HarrisonsPrinciplesofInternalMedicine\_18ed10\_txt = "/src/ME/sample/cecil/HarrisonsPrinciplesofInternalMedicine-18ed10.txt";

// public static final String HarrisonsPrinciplesofInternalMedicine\_18ed11\_txt = "/src/ME/sample/cecil/HarrisonsPrinciplesofInternalMedicine-18ed11.txt";

// public static final String HarrisonsPrinciplesofInternalMedicine\_18ed12\_txt = "/src/ME/sample/cecil/HarrisonsPrinciplesofInternalMedicine-18ed12.txt";

// public static final String HarrisonsPrinciplesofInternalMedicine\_18ed13\_txt = "/src/ME/sample/cecil/HarrisonsPrinciplesofInternalMedicine-18ed13.txt";

// public static final String HarrisonsPrinciplesofInternalMedicine\_18ed14\_txt = "/src/ME/sample/cecil/HarrisonsPrinciplesofInternalMedicine-18ed14.txt";

// public static final String HarrisonsPrinciplesofInternalMedicine\_18ed15\_txt = "/src/ME/sample/cecil/HarrisonsPrinciplesofInternalMedicine-18ed15.txt";

// public static final String HarrisonsPrinciplesofInternalMedicine\_18ed16\_txt = "/src/ME/sample/cecil/HarrisonsPrinciplesofInternalMedicine-18ed16.txt";

// public static final String HarrisonsPrinciplesofInternalMedicine\_18ed17\_txt = "/src/ME/sample/cecil/HarrisonsPrinciplesofInternalMedicine-18ed17.txt";

//

////

////cache

}

。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。

package SVQ.stable;

public class StableHTTP{

public static final String PORT\_DATABASE= "8000";

public static final String PORT\_FRONTEND= "80";

public static final String PORT\_CACHE= "6379";

public static final String PORT\_BACKEND= "8080";

public static final String PORT\_BLUETOOTH= "8008";

public static final String PORT\_TELPORT= "8888";

}

。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。

package SVQ.stable;

import java.util.HashMap;

import java.util.Map;

//思想 罗瑶光 DNA元基催化与肽计算

//编码 罗瑶光

//#### 元基数字 = 元基符号= 肽展公式元基数字变换 = (肽概率展开数字逻辑集合) #### 1位 ##### E = I = I =(I)

//##### F = U = I++ OR Q-- =(I, Q)

//##### G = Q = Q =(Q)

//#### 1~2位

//##### 0 = D = DD =(D, DD)

//#### 2位

//##### 1 = C = DI =(DI)

//##### 3 = E = IU, DU =(IU, DU)

//##### D = V = UQ =(UQ)

//##### 9 = S = QI =(QI)

//#### 2~4位

//##### 4 = H = (IU, DU) OR DI =(IU, DU, DI) OR (IUDI, DUDI)

//#### 4位

//##### 2 = P = (IU, DU) + DI =(IUDI, DUDI)

//##### A = O = (IU, DU) + QI =(IUQI, DUQI)

//##### 7 = A = UQQI =(UQQI)

//#### 4~6位

//##### 5 = HC- = ((IU, DU) OR DI) + DI =(IUDI, DUDI, DIDI) OR (IUDIDI, DUDIDI)

//##### B = HE+ = ((IU, DU) OR DI) + (IU, DU) =(IUIU, IUDU, DUIU, DUDU, DIIU, DIDU)

//OR (IUDIIU, IUDIDU, DUDIIU, DUDIDU)

//#### 6~8位

//##### 8 = M = ((IU, DU) OR DI) + DI + QI =(IUDIQI, DUDIQI, DIDIQI)

//OR (IUDIDIQI, DUDIDIQI)

//##### 6 = X = UQ + ((IU, DU) OR DI) + DI =(UQIUDI, UQDUDI, UQDIDI)

//OR (UQIUDIDI, UQDUDIDI)

//##### C = T = UQ + ((IU, DU) OR DI) + (IU, DU) =(UQIUIU, UQIUDU, UQDUIU, UQDUDU, UQDIIU

//, UQDIDU) OR (UQIUDIIU, UQIUDIDU, UQDUDIIU, UQDUDIDU)

public interface StableMapsInitons{

public static final Map<String, String> initonsMap= new HashMap<>();

public static final Map<String, Integer> numberSet= new HashMap<>();

public static final Map<String, String> initonsSet= new HashMap<>();

public static final Map<String, String> initonsCode= new HashMap<>();

public static void init() {

initonsMap.put("A", "7");

initonsMap.put("O", "A");

initonsMap.put("P", "2");

initonsMap.put("M", "8");

initonsMap.put("V", "D");

initonsMap.put("E", "3");

initonsMap.put("C", "1");

initonsMap.put("S", "9");

initonsMap.put("I", "E");

initonsMap.put("D", "0");

initonsMap.put("U", "F");

initonsMap.put("Q", "G");

initonsMap.put("T", "C");

initonsMap.put("X", "6");

initonsMap.put("+", "B");

initonsMap.put("-", "5");

initonsMap.put("H", "4");

numberSet.put("0", 0);

numberSet.put("1", 1);

numberSet.put("2", 2);

numberSet.put("3", 3);

numberSet.put("4", 4);

numberSet.put("5", 5);

numberSet.put("6", 6);

numberSet.put("7", 7);

numberSet.put("8", 8);

numberSet.put("9", 9);

numberSet.put("A", 10);

numberSet.put("B", 11);

numberSet.put("C", 12);

numberSet.put("D", 13);

numberSet.put("E", 14);

numberSet.put("F", 15);

numberSet.put("G", 16);

initonsSet.put("0", "0");

initonsSet.put("1", "1");

initonsSet.put("2", "2");

initonsSet.put("3", "3");

initonsSet.put("4", "4");

initonsSet.put("5", "5");

initonsSet.put("6", "6");

initonsSet.put("7", "7");

initonsSet.put("8", "8");

initonsSet.put("9", "9");

initonsSet.put("10", "A");

initonsSet.put("11", "B");

initonsSet.put("12", "C");

initonsSet.put("13", "D");

initonsSet.put("14", "E");

initonsSet.put("15", "F");

initonsSet.put("16", "G");

initonsCode.put("0", "D");

initonsCode.put("1", "C");

initonsCode.put("2", "P");

initonsCode.put("3", "E");

initonsCode.put("4", "H");

initonsCode.put("5", "-");

initonsCode.put("6", "X");

initonsCode.put("7", "A");

initonsCode.put("8", "M");

initonsCode.put("9", "S");

initonsCode.put("A", "O");

initonsCode.put("B", "+");

initonsCode.put("C", "T");

initonsCode.put("D", "V");

initonsCode.put("E", "I");

initonsCode.put("F", "U");

initonsCode.put("G", "Q");

}

}

。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。

package SVQ.stable;

import java.util.HashMap;

import java.util.Map;

//StableToken.ETL\_SYMBOL\_SMILL

//集合下shell 计算符号

//我思考了下如果用中文设计变量，一旦出现乱码，那么中文变量对应中文字符串都是乱码，不好修复，于是用英文做变量先。

//罗瑶光

public class StableShellETL{

//稍后合并

public static final String SHELL\_ETL\_FINISH= "完成";

public static final String SHELL\_ETL\_CONFIG= "配置生成";

public static final String SHELL\_ETL\_DID\_CONFIG= "configured" ; //configured

public static final String SHELL\_ETL\_MID\_SHELL= "midShell";

public static final String SHELL\_ETL\_DOWN\_SHELL= "downShell";

public static final String SHELL\_ETL\_TIN\_SHELL\_ETL= "TinShellETL";

public static final String SHELL\_ETL\_JOIN\_BASE\_NAME= "joinBaseName";

public static final String SHELL\_ETL\_SLASH= "/";

public static final String SHELL\_ETL\_CONDITION= "condition";

public static final String SHELL\_ETL\_CULUMNNAME= "culumnName";

public static final String SHELL\_ETL\_ROWVALUE= "rowValue";

public static final String SHELL\_ETL\_SMALL= "<";

public static final String SHELL\_ETL\_LESS\_THAN= "-lt";

//作者思维 这个缩写写法来自 linux 的 c shell

public static final String SHELL\_ETL\_LESS\_AND\_EQUAL\_TO= "<=";

public static final String SHELL\_ETL\_LESS\_AND\_EQUAL\_TO\_R= "=<";

public static final String SHELL\_ETL\_LESS\_THAN\_AND\_EQUAL\_TO= "-lte";

//作者思维 这个缩写写法来自 linux 的 c shell

public static final String SHELL\_ETL\_DOUBLE\_EQUALS= "==";

public static final String SHELL\_ETL\_SIMPLE\_EUQALS= "=";

public static final String SHELL\_ETL\_TRIPAL\_EQUALS= "===";

//作者思维 这个缩写写法来自 javascript的 全等于

public static final String SHELL\_ETL\_GREATER\_AND\_EQUAL\_TO= ">=";

public static final String SHELL\_ETL\_GREATER\_AND\_EQUAL\_TO\_R= "=>";

public static final String SHELL\_ETL\_GREATER\_THAN\_AND\_EQUAL\_TO= "-gte";

//作者思维 这个缩写写法来自 linux 的 c shell

public static final String SHELL\_ETL\_GREATER= ">";

public static final String SHELL\_ETL\_GREATER\_THAN= "-gt";

//作者思维 这个缩写写法来自 linux 的 c shell

public static final String SHELL\_ETL\_STRING\_LENGTH\_GREATER\_THAN= "字符串长度大于";

public static final String SHELL\_ETL\_STRING\_LENGTH\_LESS\_THAN= "字符串长度小于";

public static final String SHELL\_ETL\_NOT\_EUQAL\_TO= "!=";

public static final String SHELL\_ETL\_NOT\_EUQAL\_TO\_R= "=!";

public static final String SHELL\_ETL\_CONTANS= "包含";

public static final String SHELL\_ETL\_FILTER\_BY= "过滤掉";

public static final String SHELL\_ETL\_DOES\_NOT\_CONTANS= "不包含";

public static final String SHELL\_ETL\_EQUAL= "equal";

public static final String SHELL\_ETL\_DOES\_NOT\_EQUALS= "!equal";

public static final String SHELL\_ETL\_IN= "in"; //作者思维 这个单词来自relational SQL 的 in

public static final String SHELL\_ETL\_COMDOT= ",";

public static final String SHELL\_ETL\_NOT\_IN= "!in";

public static Map<String, String> storeValue= new HashMap<>();

}

。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。

package SVQ.stable;

public interface StableString {

public static final String text1 = "关于成瘾性的戒除方式，上瘾在医学上普遍定义为一种具有精神依赖并长期导致健康危害性的行为。\r\n" +

"关于成瘾的溯源有很多因素，其中最重要的是依赖。因为长期的依赖导致自身某种缺陷逐渐丧失而\r\n" +

"对成瘾物体产生不可替代性。通过这个推论，可以初步来定义戒断瘾欲，最有效的方式是替代和引导。\r\n" +

"替代物，本身也是有强烈制瘾性，和危害性，但是危害要小于原物。通过替代和强制减少剂量和精洗\r\n" +

"脑教育，通过一个时间周期达到戒除。中间有戒断反应，需要观察。引导，是在对没有成瘾并属于易\r\n" +

"感染群体进行教育和传授方式，提高群体的免疫力和排斥力。上瘾不是欲望。欲望是生物的应激性进\r\n" +

"化的产物，是与生俱来的。上瘾是一种外力干涉造成的依赖。上瘾的级别有很多种。医学有相关严谨\r\n" +

"的打分段，其中毒瘾大于烟瘾大于网瘾。最有效的戒除手段就是环境和生活方式的选择。很多时候\r\n" +

"环境不是很美好，生活方式充满了隐患，人的精神会产生误差，这个时候受体为不稳定态，极易接触\r\n" +

"成瘾源。当环境无法改变的时候，我们需要改变自己，选择一个愉悦的生活方式，进行自我心里疏导，\r\n" +

"很容易排斥上瘾源。其中这些词汇是非常有价值的精神药物：自信，豁达，友善，分享 等等。\r\n" +

"一些成瘾的受体，普遍有某种倾向: 奢靡，闭塞，强迫，空虚 等等。这里不是贬义，只是因为长期的环境\r\n" +

"因素不是那么美好导致了一些思维误差。所以引导是非常重要的。改变人的不是能力，而是选择和环境。\r\n" +

"如果环境不是很完美，那么选择一个健康的生活方式，是非常重要的。";

public static final String text2 = "我们在这个三维世界能听到许多答案， 却无法解释它，最后物理学用T来表示。带着这个疑问，我开始寻求答案来解释。语文和数学对时间的描述基于我罗瑶光的归纳为是事物发展过程中的某一点基于经典数学的观测参照。我开始深思，既然是参照，那么必定是有参照物和观测物2种模式。 我又深思，既然是2种模式改变，必定引起时间的不准确性，那么我定义为时间不是经典物理学中的概念。 而是量子物理的一个分支。 我又深思，如果时间因为参照物和观测物的不同，那么这个时间肯定是有变化规律的，这个规律肯定是一个抽象函数，我定义为T（x）怎么求解时函数？ 我深思了10年。或许我罗瑶光是世界第一个定义时函数的人，我可能成为不了第一个能够利用时函数穿梭高维空间的人。霍金死了， 傅里叶死了， 爱因斯坦也死了， 薛定谔死了， 海森堡死了， 狄拉克死了， 他们也许发现了时函数的一些规律。我又深思了许久。\r\n"

+ " 时函数的解析一直困扰着我。怎么求解？这些先贤给我巨大的视野。\r\n"

+ "1 时间是一个事物发展的过程， 而事物发展，可以用p(t)表示， 狄拉克说事物的发展通常用向量集合表示，我归纳为 |p（t）> 在这里感谢狄拉克先生。\r\n"

+ "2 因为观测物不一样和观测角度不一样， 那么这个 事物发展的向量集肯定也会被扭曲， 那么我用量子力学的<m(t)|p(t)> 来表示 观测点与事物运动点的内积的狄拉克本征量表示。\r\n"

+ "3 以为2 是个非常复杂的逻辑，我采用理想的正交表达，<m(t)|p(t)> 其实是一个理想函数。\r\n"

+ "4.1 怎么解析这个狄拉克方程我又深思的许久，我想到以前我写的狄拉克 傅里叶和薛定谔是好朋友， 于是我用薛定谔含时函数来解析，为什么用含时，因为它同时有时间和运动轨迹的观测点。于是我得出(1-iht)|m(0)> 与 (1-iht)|p(0)>正交\r\n"

+ "这个t无法消除，看来我方法也许是错的。。。\r\n"

+ "4.2我想用傅里叶咋样？ 于是我得出 dp/sq(2\*pi) \* pof(m)(p) e\*\*ipt 与 dp/sq(2\*pi) \* pof (p) e\*\*ipt 正交\r\n"

+ "结合4.1 和4.2 我得到2个方程组\r\n"

+ "1:(1-iht)|m(0)>=dp/sq(2\*pi) \* pof(m)(p) e\*\*ipt \r\n"

+ "2:(1-iht)|p(0)>=dp/sq(2\*pi) \* pof (p)(p) e\*\*ipt \r\n"

+ "5,1-2\r\n"

+ " => (1-iht)(|m(0)>-|p(0)>)=dp/sq(2\*pi) ( pof(m)(p)e\*\*ipt - pof (p)(p) e\*\*ipt )\r\n"

+ " 6 事物运动最开始一定是静止的，我可得到|m(0)>-|p(0)>=0\r\n"

+ "7： dp/sq(2\*pi) ( pof(m)(p) e\*\*ipt - pof(p)(p) e\*\*ipt )=0\r\n"

+ " 8： 我又想到了海森堡和斯塔函数 把傅里叶的 dp/2pi\*eip(x1-x0) 用deta 表示。。。\r\n"

+ "-》\r\n"

+ " intel（dx）\*deta (t1-t0) m(t)- intel（dx）\*deta (t1-t0)p(t)=0 \r\n"

+ "9: intel（dx）\*deta (t1-t0)(m(t) -p(t))=0\r\n"

+ "想到这里我发现我升华了。。。。\r\n"

+ " deta (t1-t0)\*m(t）=deta1(t1-t0)\*p(t)。。。。\r\n"

+ "我得到几个答案： \r\n"

+ "1 事物运动 等于 观测运动，\r\n"

+ "2 观测停止 等于 事物停止。\r\n"

+ "3 观测轨迹 等于 事物轨迹。而这个轨迹就是一个傅里叶的deta波函数\r\n"

+ "4 核武器由磁暴激发。 \r\n"

+ "5 纠缠态证明 平行宇宙存在。\r\n"

+ "6 deta的概率集确定光纤通信基础。\r\n"

+ "或许霍金真的无法接受这个答案， 宇宙没有开始，也没有结束，而万物始于一个deta弦\r\n"

+ "我又深思了许久，既然宇宙没有过去未来， 那说明了什么？\r\n"

+ "1 说明了我们的认知被时函数误导了， 因为我们这个世界所有的经典力学都是加入了时间变量进行思考和运算的, 这是三维世界智慧体的禁区。\r\n"

+ "2 我不敢再写下去， 因为这些思维完全违背了这个世界的经典定律。。。\r\n"

+ " 如果我罗瑶光是世界以第一个定义时函数的人，那我今天 初步定义为：时函数代表物体的运动轨迹和观测者轨迹的量子函数关系式，是宇宙的维度的核心组成部分。这些年，我总想成为一名程序员。很多年前，一位很有成就的教授跟我说程序员只是一个工人，如果我把才华定义为一个工人，那么我对不起我这20多年来的,理论研究功底， 因为很多程序员职位通过速成就能胜任。后来当我遇到一位顶级的科研工程师同事，我发现，他的编程能力。我真不敢恭维， 可是他确是首席。。带着这份不羁， 我慢慢才知道。他比我强在细节和专注。 这个出发点是对的，deta (t1-t0)\*m(t）=deta1(t1-t0)\*p(t) 很明确，我得到了这个初级公式。 这个公式我深思， 时函数肯定和 斯塔函数， 傅里叶函数，观测者，运动者 这4个 因子有关,而且 观测者和运动者成正比，我得到一个理论答案：时间可以任意膨胀和坍塌。显然，膨胀和坍塌的函数我无法从这个公式得到推理，我进行了很多年的思考。可是我得到了另外一个答案： 时间任意膨胀， 必定无穷大， 时间坍塌，必定无穷小。我又得到一个答案： 时函数是一个矢量函数。\r\n"

+ "1: deta (t1-t0)\*m(t）/ deta1(t1-t0)\*p(t) =1 \r\n"

+ "2: t= |m(x)> / |p(x)> \r\n"

+ "关于2 是怎么来的，我是这样思考的，如果把经典物理学中 s=vt, 那么我把s当做观测者，把v当成发展事物，那么有|m(x)>= |p(x)> \* t\r\n"

+ "这是求解狄拉克的熵， 我很可惜。因为狄拉克在实验求解的时候，年老病逝。 可是我没有停下，我又得到2个关系式：\r\n"

+ " t= dp/sq(2\*pi) \* pof(m)(p) e\*\*ipt / dp/sq(2\*pi) \* pof(p) e\*\*ipt \r\n"

+ " t= deta (t1-t0)\*m(t）/ deta1(t1-t0)\*p(t)\r\n"

+ "当我得到这个时候，我发现了真正恐怖。。\r\n"

+ "如果在粒子在磁暴激发的时候，能够用时间膨胀函数抑制，那么这个粒子就具有巨大的能量。而这个能量我称之为时间函数膨胀势能。狄拉克的相对论说明有时间函数膨胀势能 必有 时间函数坍塌势能，如果用tero(x)和 tcol(x)表示则有\r\n"

+ "|tero(x)>+|tcol(x)>=1\r\n"

+ "这就是狄拉克晚年论述为什么有反粒子的存在。\r\n"

+ "可是我现在疑惑了；；\r\n"

+ "1： |tero(x)>+|tcol(x)>=1\r\n"

+ "2： deta (t1-t0)\*m(t）/ deta1(t1-t0)\*p(t) =1 \r\n"

+ "=》 |tero(x)>+|tcol(x)> = deta (t1-t0)\*m(t）/ deta1(t1-t0)\*p(t) \r\n"

+ "时间膨胀和时间坍塌也是由 观测者和运动者 决定的。 而且是一个有归一性的矢量函数控制。用我们三维世界的经典思维解释 我得到这样一个答案宇宙没有过去，没有未来，充满物质，却又虚无， 而一切都是一个deta弦。这明显就是一个错误，却又存在，我又一次发现我的经典思维再一次误导了我。。。。我的直觉告诉我我被耍了，我的出发点一开始是错误的，我不能用三维世界的经典定理来推导时函数。很悲伤，我的出发点错误的\r\n"

+ "同时，很高兴，我通过错误的伪命题得到一个真确答案：\r\n"

+ " |tero(x)>+|tcol(x)> = deta (t1-t0)\*m(t）/ deta1(t1-t0)\*p(t) \r\n"

+ "这公式有什么用？我思考了许久。\r\n"

+ "我发现我又升华了。。。如果粒子辐射角向上激发能量释放，我们能创造一个对称的共轭坍塌， 那么就能中和能量。什么意思？好比原子弹爆炸了，却破坏力等于0.。。。。\r\n"

+ "而这个汉密尔顿反粒子（量子数学叫轭米粒子，量子力学叫汉密尔顿共轭）怎么实现？\r\n"

+ "我又思考了很久我又得到了答案。在平行纠缠态的异域 通过量子纠缠控制反应区量子集合， 通过量子纠缠可以控制原子反应。而这一切离不开时函数。\r\n"

+ "而公式就是 |tero(x)>+|tcol(x)> = deta (t1-t0)\*m(t）/ deta1(t1-t0)\*p(t) \r\n"

+ "\r\n"

+ "这个公式我思考了一段时间，很明显，时间是一个带有引力波常量系数的公式。三维世界有三维世界关于时间的计算方程，高维肯定有高维的时间计算方式。\r\n"

+ "\r\n"

+ "\r\n"

+ "罗瑶光 2018年5月1日于浏阳\r\n"

+ "罗瑶光 2019年2月14日修改于浏阳\r\n"

+ "\r\n"

+ "时函数在量子物理中应用。2019-3-2\r\n"

+ "|tero(x)>+|tcol(x)> = deta (t1-t0)\*m(t）/ deta1(t1-t0)\*p(t)\r\n"

+ "推导了这个公式后，\r\n"

+ "最近有看了一下，\r\n"

+ "又\r\n"

+ "稍微变化了一下： \r\n"

+ "假设\r\n"

+ "1 deta (t1-t0)/deta1(t1-t0) = 时间流逝比重\r\n"

+ "2 |tero(x)>+|tcol(x)> = 中和时间能\r\n"

+ "3 m(t）= 观测\r\n"

+ "4 p(t) = 发展\r\n"

+ "我得到一个公式: \r\n"

+ "5 中和时间能 = 时间流逝比重 \* 观测 / 发展\r\n"

+ "6 时间流逝比重 = 中和时间能 \* 发展 / 观测\r\n"

+ "\r\n"

+ "今天又看了下这个公式 6，我得到一个论证。在一种固定的观测态中，发展速度越快时间流逝比重大。\r\n"

+ "以后星际穿梭 飞船飞行速度越快，时间流逝比重越大，意味着飞行过程时间应该指数级别比例缩短。几百光年的距离，未必要那么久的时间穿梭。\r\n"

+ "不知道假设是不是正确的。\r\n"

+ "\r\n"

+ "我在思考这种固定的观测态怎么模拟出来。\r\n"

+ "\r\n"

+ "时函数在量子物理中应用2 2019-3-12 \r\n"

+ "我得到了一个推论结果，当物体超高速运动的时候，物体具有巨大的动能，这种能量能够和时间能进行公式转化，也可以转化成力学，强大的力可以扭曲时空，达到瞬间转移\r\n"

+ "\r\n"

+ "若果推论成立，物体在时空中带强力强能急速飞行，物体四周的时空会产生巨大引力扭曲环层，罗氏猜想这个环层时空扭曲力能牵引物体，我定义为局部时空扭曲引力，这是瞬间转移的关键。\r\n"

+ "\r\n"

+ "我得到了一个推论结果，当物体超高速运动的时候，物体具有巨大的动能，这种能量能够和时间能进行公式转化，也可以转化成力学，强大的力可以扭曲时空，达到瞬间转移。\r\n"

+ "\r\n"

+ "时函数3.指数加速度 2019-3-18 09:15\r\n"

+ " 如果瞬间转移的条件成立，那么速度怎么测量呢？\r\n"

+ "\r\n"

+ "我思考了很久，这种坍塌牵引力根据动能的大小会产生一个只有一种成指数的加速度才能解释。这种指数加速度怎么推导呢？ 我又茫目了。罗氏猜想 这个 指数加速度 和宇宙膨胀的速度通用一个常量系数。\r\n"

+ "\r\n"

+ "我有3个 想到的公式可参考。";

public static final String text3 = "新的知识工程结构中，传统的专家系统占据着主导的地位，可是世界的需求体系处在一个多变的运行环境，所以数据持久化理论是一个为之奋斗的目标?\"\r\n"

+ "+ \"人工智能软件也一样，逃避不了自然的更新所带来的种种弊端人工智能何去何从，自然会规划它，正如达尔文的生物进化论?样，新的智能体系标准都是被需求自然择出来，这就是我要表达的中心想。\\r\\n\" + \r\n"

+ "\"过去50年里，一些经典的软件逃不过需求的抉择，最终枯黄暗淡，当然?些企业将产品拼命的重写升级，因为核心?发的年龄老化，新的改造无法掌握原始开发想和理论，?后产品的品质遭受巨大的冲击，\"\r\n"

+ "+ \"损失惨重，一种新的软件开发理论需要被人所证实，这也就是我的想。软件也?样，?要有自我的人工择的进化体系\\r\\n\" + \r\n"

+ "\"通过?近的 UNICORN AI\\r\\n\" + \r\n"

+ "\"软件的构造，设计和编码测试中，我发现了许多因空想而创造的计算机理论在实际的编程分析中有巨大的差异，我用的是JAVA为主的语?，我就发现JAVA的继承没有达到具有进化想的语?标准?\"\r\n"

+ "+ \"但是JAVA在这个初期的进化标准测试中其方法论远远胜出C/C++ ,我用C风格写JAVA程序并没有给我的实际编程带来种种麻烦，但是JAVA仍然?要改进，比如你抽象了?个父类，而你的子类的?\"\r\n"

+ "+ \"量函数还是需要在“OBJECT 父类=（子类）父类? 这样的写法中的才能做出子类运算如果孙类又继承子类，么让OBJECT 得到孙类？（我的用的是OBJECT 子类继承父类，然后OBJECT \"\r\n"

+ "+ \"子类=（孙类）子类 。这样孙类得到了运算），可是这就是一个动态内存结构分配的大问题！设计的相当繁琐JAVA还停留在初级语言进化级别，没有具备高级的进化思想。其次， 子类如果有多个孙类，\"\r\n"

+ "+ \"也只有子类可以运算，父类就被无法作出相应的运算这也是?个诟病，难道再加上OBJECT 子类=（孙类）子类 ，OBJECT 父类=（子类）父类 来实现？这就更加繁琐了\\r\\n\" + \r\n"

+ "\"通过上面的描述，我有自己的看法，可是我还是择了JAVA, 即使繁琐，但是没有任何错误，因为用底层语?来实现就会更加繁琐陷阱更多\\r\\n\" + \r\n"

+ "\"人工智能选择了JAVA是一个自然的抉择。JAVA和C#都是高层语言，可是JAVA的个性就是天生对数据来处理的，因为JAVA早期是一个WEB语言，WEB处理数据信息有独特的优势，这是JAVA进化\"\r\n"

+ "+ \"为数据分析语?的一个真实的例子。C#在这个问题里?直在改进自己，类似JAVA?样，甚至和JAVA?样，可是没有?个体系来评估它早期应用JAVA的WEB数据工程师也不会转移到C#.?以C#的最大优势还是仅仅在WINDOWS上的控件应用。\\r\\n\" + \r\n"

+ "\"通过这段的描述，仅仅证明任何?种语?的最大优势也仅仅体现在它诞生之初的创造理论和思想。所以JAVA和C#根本就没有什么可比因为他们最原始的创造理论，体系和想结构就不?样如果真?\"\r\n"

+ "+ \"JAVA和C#不，?后，通过进化的想预测，JAVA?后走图形，大数据分析，WEB,方向? 而C# 应该走界面，控件，WINDOWS设备集成方向。\\r\\n\" + \r\n"

+ "\"人工智能软件的进化主要分为父类的更新，子类的变异和继承现在的许多人工智能软件因为?求关系的制约，导致创造想的缺乏，父类被写死了，无法得到应有的适应扩展，比如ORACLE的数据库ETL\"\r\n"

+ "+ \"，仅仅在处理数据仓库领域有巨大价值，无法扩展到数据可视化，并行运算等领域。德国的KNIME也是因为父类的写死，结果插件很多API都不支持，实例证明，我用SWT写插件界面，就无法实现我\"\r\n"

+ "+ \"在节点里面导入自己的数据库API,它就要我在软件的配置选项里面去导入，这就是父类写死的诟病。\\r\\n\" + \r\n"

+ "\"当然有很多细节的问题，ORACLE ETL和KNIME DM 都不失为成功大作。上面提到的是父类写死没有得到进化论的想。然后评论一下子类变异\\r\\n\" + \r\n"

+ "\"JAVA处理子类函数是比较完美的，用过JAVA?发大型项目的人都相当有经验处理接口和继承。可? JAVA有没有变异的特呢？可以说无，比如我举个例子，当父类PUBLIC 属??1=0；，子类就无\"\r\n"

+ "+ \"法在PUBLIC 属??1=1了，这就是一个变异失效的问题。JAVA 很灵活，但是不够脚本语言灵活。其次我要说的是JAVA的变异是带引号的变异，其特点就是子类修改父类函数，JAVA的子类是可以\"\r\n"

+ "+ \"修改父类的同名函数处理过程的。不过你要让子类和父类的函数名一样，这是? JAVA默认的机制，先执行父类同名，再执行子类同名然后返回到父类，然后返回的过程。所以同名函数可以在子类里得\"\r\n"

+ "+ \"到修改，保证了参数变异这样，软件在实际的编写过程中也非常的灵活和独到。\\r\\n\" + \r\n"

+ "\"?后过上述的语?进化思想，程序进化想的表述，我有?个很深的体会。每?种语?要根深蒂固，?要有它的?求，它的功能在需求中要有选择的得到进化不然，这就是语?被淘汰的?大原因，我不喜欢?\"\r\n"

+ "+ \"到当今世界上各种语言层出不穷，这就是许多语言没有得到进化，体现不了需求的?大诟病?? 其次，语?要扩展，高级语言的API类库和一些架构体系的出现是一个很好的扩展证明。最后是变异，类似脚\"\r\n"

+ "+ \"本语?，灵活，方便。\\r\\n\" + \r\n"

+ "\"那么软件呢？软件也一样，选择?门应自己?求的语言来设计尤为重要?? 其次，软件的架构要有松度，类似于OSGI,FELIX那样,进行组件持久化，KNIME的OSGI思想和LIFERAY的OSGI思想?\"\r\n"

+ "+ \"?致的，虽然API设计风格不一样，但是效果都很笃厚。\\r\\n\" + \r\n"

+ "\"生物?要有达尔文想，人工智能同样也存在，这是需求持久化的基?。这也是我研发UNICORN AI平台的基本条件";

}

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package SVQ.stable;

public interface StableTag {

//APP.JAVA

public static final String columnTitle\_0 = "ID";

public static final String columnTitle\_1 = "打分";

public static final String columnTitle\_2 = "中药名称";

public static final String columnTitle\_3 = "笔记原文";

public static final String columnTitle\_4 = "功效";

public static final String columnTitle\_5 = "风险规避";

public static final String columnTitle\_6 = "用法";

public static final String columnTitle\_7 = "性味";

public static final String columnTitle\_8 = "脉络";

public static final String columnTitle\_9 = "中医馆药理";

public static final String columnTitle\_10 = "经解";

public static final String columnTitle\_11 = "崇源";

public static final String columnTitle\_12 = "愚按";

public static final String columnTitle\_13 = "搭配";

public static final String columnTitle\_14 = "常见药";

public static final String NEI\_RONG = "内容";

public static final String TIAN\_JIA\_DAO\_BIAN\_JI\_YE = "添加到编辑页";

public static final String ZI\_MING = "名";

public static final String ZI\_DONG = "动";

public static final String ZI\_XING = "形";

public static final String ZI\_FU = "副";

public static final String STRING\_EMPTY = "";

public static final String STRING\_SPACE = " ";

// public Object[] columnTitle= {"ID", "打分", "中药名称", "笔记原文", "功效", "风险规避", "用法"

// , "性味", "脉络", "中医馆药理", "经解", "崇源", "愚按", "搭配", "常见药"};

// public Object[] columnTitle= {columnTitle\_0, columnTitle\_1, columnTitle\_2, columnTitle\_3, columnTitle\_4, columnTitle\_5, columnTitle\_6

// , columnTitle\_7, columnTitle\_8, columnTitle\_9, columnTitle\_10, columnTitle\_11, columnTitle\_12, columnTitle\_13, columnTitle\_14};

}

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package SVQ.stable;

//StableToken.ETL\_SYMBOL\_SMILL

public class StableToken{

//稍后合并

//session token

public static final String EMPTY\_STRING= "";

public static final String LINE\_ENTER= "\r\n";

public static final String DNA\_TOKEN\_LOCK= "LOCK";

public static final String DNA\_TOKEN\_KEY= "KEY";

public static final String DNA\_TOKEN\_PDE= "PDE";

public static final String DNA\_TOKEN\_PDS= "PDS";

//etl node token

public static final String ETL\_NODE\_COORDINATION\_X= "NodeCoordinationX";

public static final String ETL\_NODE\_NAME= "NodeName";

public static final String ETL\_NODE\_COORDINATION\_Y= "NodeCoordinationY";

public static final String ETL\_NODE\_ID= "NodeID";

public static final String ETL\_FLASH= "flash";

public static final String ETL\_BECONNECT= "beconnect";

public static final String ETL\_LEFT\_CHOOSE= "leftChoose";

public static final String ETL\_RIGHT\_CHOOSE= "rightChoose";

public static final String ETL\_TBECONNECT= "tBeconnect";

public static final String ETL\_TBECONNECT\_X= "tBeconnectX";

public static final String ETL\_TBECONNECT\_Y= "tBeconnectY";

public static final String ETL\_TBECONNECT\_NAME= "tBeconnectName";

public static final String ETL\_TBECONNECT\_ID= "tBeconnectID";

public static final String ETL\_TBECONNECT\_PRIMARY\_KEY= "tBeconnectPrimaryKey";

public static final String ETL\_MBECONNECT= "mBeconnect";

public static final String ETL\_MBECONNECT\_X= "mBeconnectX";

public static final String ETL\_MBECONNECT\_Y= "mBeconnectY";

public static final String ETL\_MBECONNECT\_NAME= "mBeconnectName";

public static final String ETL\_MBECONNECT\_ID= "mBeconnectID";

public static final String ETL\_MBECONNECT\_PRIMARY\_KEY= "mBeconnectPrimaryKey";

public static final String ETL\_DBECONNECT= "dBeconnect";

public static final String ETL\_DBECONNECT\_X= "dBeconnectX";

public static final String ETL\_DBECONNECT\_Y= "dBeconnectY";

public static final String ETL\_DBECONNECT\_NAME= "dBeconnectName";

public static final String ETL\_DBECONNECT\_ID= "dBeconnectID";

public static final String ETL\_DBECONNECT\_PRIMARY\_KEY= "dBeconnectPrimaryKey";

public static final String ETL\_PRIMARY\_KEY= "primaryKey";

public static final String ETL\_NODE\_CONFIGURATION= "nodeConfiguration";

public static final String ETL\_ISCONFIGED= "isConfiged";

public static final String ETL\_ISEXECUTED= "isExecuted";

public static final String ETL\_SYMBOL\_PER= ":";

public static final String ETL\_SYMBOL\_NULL= "null";

public static final String ETL\_SYMBOL\_FALSE= "false";

public static final String ETL\_SYMBOL\_SMILL= ">\_<";

}

。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。。

package SVQ.stable;

public interface StableVision {

public static int[][] diaMask= new int[][] {

{1, 0, 1, 0, 1, 0, 1, 0, 1}

,{0, 1, 0, 1, 0, 1, 0, 1, 0}

,{1, 0, 1, 0, 1, 0, 1, 0, 1}

,{0, 1, 0, 1, 0, 1, 0, 1, 0}

,{1, 0, 1, 0, 1, 0, 1, 0, 1}

,{0, 1, 0, 1, 0, 1, 0, 1, 0}

,{1, 0, 1, 0, 1, 0, 1, 0, 1}

,{0, 1, 0, 1, 0, 1, 0, 1, 0}

,{1, 0, 1, 0, 1, 0, 1, 0, 1}};

//模式识别1 识别上眼睛

public static int[][] eyeHeart= new int[][] {

{ 2, 0, 0, 1, 1, 2 },

{ 0, 0, 0, 1, 1, 1 },

{ 0, 0, 0, 1, 1, 1 },

{ 0, 0, 0, 1, 1, 1 },

{ 0, 0, 0, 1, 1, 1 },

{ 2, 0, 0, 1, 1, 2 }

};

//模式识别1 识别上眼睛

public static int[][] eye= new int[][] {

{12,12,12,12,12,12,12,19,19,19,19,19,19,19,19,19,19, 9, 9, 9,11,11,11,11,11},

{12,12,12,12,12,12,12,19,19,19,19,19,19,19,19,19,19, 9, 9, 9, 9,11,11,11,11},

{12,12,12,12,12,12,12,19,19,19,19,19,19,19,19,19,19, 9, 9, 9, 9, 9, 9,11,11},

{12,12,12,12,12,12,12,19,19,19,19,19,19,19,19,19,19, 9, 9, 9, 9, 9, 9, 9,11},

{12,12,12,12,12,12,12,19,19,19,19,19,19,19,19,19,19, 9, 9, 9, 9, 9, 9, 9, 9},

{12,12,12,12,12,12,12,12,12,14,14,14,14,14,14,19,19, 9, 9, 9, 9, 9, 9, 9, 9},

{12,12,12,12,12,12,12,12,13,14,14,14,14,14,14,14,10,10, 9, 9, 9, 9, 9, 9, 9},

{12,12,12,12,12,12,12,13,13,14,14,14,14,14,14,10,10,10,10,10, 9, 9, 9, 9, 9},

{4 ,12,12,12,12,12,12,13,13,20,20, 1, 1,14,14,10,10,10,10,10,10,10, 9, 9, 9},

{2 , 2, 2, 2, 2,12,13,13,20,20,20, 1, 1, 1, 10,10,10,10,10,10,10,10,10, 9, 9},

{2 , 2, 2, 2, 2,12,13,20,20,20,20, 1, 1, 1, 1,10,10,10,10,10,10,10, 9, 9, 9},

{2 , 2, 2, 2, 2,12,13,20,20,20,20, 1, 1, 1, 1,10,10,10,10,10,10, 3, 3, 3, 3},

{2 , 2, 2, 2, 2,12,13,20,20,20,20, 1, 1, 1, 1,10,10,10,10,10, 3, 3, 3, 3, 3},

{2 , 2, 2, 2, 2,12,13,20,20,20,20, 1, 1, 1, 1,10,10,10,10,10, 3, 3, 3, 3, 3},

{2 , 2, 2, 2, 2, 2,13,13,20,20,20, 1, 1, 1,10,10,10,10,10, 3, 3, 3, 3, 3, 3},

{2 , 2, 2, 2, 2, 2,13,13,13,20,20, 1, 1,15,15,10,10,10,10, 3, 3, 3, 3, 3, 3},

{5 , 2, 2, 2, 2, 2, 2,13,13,15,15,15,15,15,15,15,10,10, 3, 3, 3, 3, 3, 3, 3},

{5 , 2, 2, 2, 2, 2, 2, 2,13,15,15,15,15,15,15,15,10, 3, 3, 3, 3, 3, 3, 3, 3},

{5 , 5, 2, 2, 2,22,22, 2, 2,15,15,15,15,15,15,15, 3, 3, 3, 3, 3, 3, 3, 3, 8},

{5 , 5, 4, 2, 2,22,22,22, 2, 2, 2, 2, 2, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3},

{5 , 5, 5, 5, 2,22,22,22, 2, 2, 2, 2, 2, 3, 3, 3, 3, 3, 3, 3, 3, 3, 7, 3, 3},

{5 , 5, 5, 5, 5,22,22,22, 2, 2, 2, 2, 3, 3, 3, 3, 3, 3, 3, 3, 7, 7, 7, 3, 3},

{5 , 5, 5, 5, 5, 5,22, 2, 2, 2, 2, 2, 3, 3, 3, 3, 3, 3, 3, 3, 7, 7, 7, 7, 3},

{5 , 5, 5, 5, 5, 5, 5, 6, 2, 2, 2, 2, 3, 3, 3, 3, 3, 3, 3, 7, 7, 7, 7, 7, 7},

{5 , 5, 5, 5, 5, 5, 5, 6, 6, 6, 6, 6, 3, 3, 3, 3, 3, 3, 7, 7, 7, 7, 7, 7, 7}

};

}

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package SVQ.stable;

public interface StableWeb {

//DB

public static final String DB\_BASE\_NAME = "baseName";

//LOGIN

public static final String LOGIN\_TOKEN = "token";

public static final String LOGIN\_EMAIL = "email";

public static final String LOGIN\_AUTH = "auth";

//STRING

public static final String STRING\_EMPTY = "";

public static final String STRING\_SPACE\_ENTER = " \n";

public static final String STRING\_ENTER = "\n";

public static final String STRING\_QUATE = ".";

public static final String STRING\_JUNCTION = "&";

//BUFFER RANGE

public static final int BUFFER\_RANGE\_MAX = 1024;

//REST

public static final String REST\_GET\_DB\_CATEGORY = "/getDBCategory";

public static final String REST\_GET\_ALL\_DB\_CATEGORY = "/getAllDBCategory";

//SLEEPERS

public static final int SLEEPERS\_RANGE = 500;

//TCP

public static final String TCP\_PORT = "port";

public static final String STRING\_SPACE = " ";

public static final String STRING\_SLASH\_QUESTION = "\\?";

//MATH

public static final String MATH\_EQUAL = "=";

//HTTP

public static final int HTTP\_500 = 500;

public static final int HTTP\_400 = 400;

public static final int HTTP\_200 = 200;

public static final int HTTP\_404 = 404;

public static final int HTTP\_300 = 300;

//CHARSET

public static final String CHARSET\_UTF\_8 = "UTF-8";

public static final String CHARSET\_UTF8 = "UTF8";

public static final String CHARSET\_GBK = "GBK";

//FILE FORMAT

public static final String FILE\_EOT = ".eot";

public static final String FILE\_SVG = ".svg";

public static final String FILE\_OTF = ".otf";

public static final String FILE\_WOFF = ".woff";

public static final String FILE\_WOFF2 = ".woff2";

public static final String FILE\_TTF = ".ttf";

public static final String FILE\_PNG = ".png";

public static final String FILE\_JPG = ".jpg";

public static final String FILE\_JPEG = ".jpeg";

public static final String FILE\_WAV = ".wav";

public static final String FILE\_GIF = ".gif";

public static final String FILE\_JS = ".js";

public static final String FILE\_CSS = ".css";

public static final String FILE\_HTML = ".html";

public static final String FILE\_PDF = ".pdf";

public static final String FILE\_ZIP = ".zip";

public static final String FILE\_RAR = ".rar";

public static final String FILE\_XML = ".xml";

public static final String FILE\_TXT = ".txt";

//FILE Stream

public static final String STREAM\_BUFFER = "buffer";

public static final String STREAM\_BYTES = "bytes";

public static final String STREAM\_BYTES\_BUFFER = "bytesBuffer";

public static final String STREAM\_REST = "rest";

public static final String STREAM\_BYTES\_WITHOUT\_ZIP = "bytesWithoutZip";

//HTTP HEADER

public static final String HEADER\_CONTENT\_TYPE\_PDF

= "content-type: application/pdf \n\n";

public static final String HEADER\_CONTENT\_TYPE\_ZIP

= "content-type: application/zip \n\n";

public static final String HEADER\_CONTENT\_TYPE\_RAR

= "content-type: application/rar \n\n";

public static final String HEADER\_CONTENT\_TYPE\_XML

= "content-type: application/xml \n\n";

public static final String HEADER\_CONTENT\_TYPE\_TXT = "content-type: text/plain \n\n";

public static final String HEADER\_CONTENT\_TYPE\_PNG = "Content-Type: image/png \n\n";

public static final String HEADER\_CONTENT\_TYPE\_JPEG = "Content-Type: image/jpeg \n\n";

public static final String HEADER\_CONTENT\_TYPE\_JPG = "Content-Type: image/jpg \n\n";

public static final String HEADER\_CONTENT\_TYPE\_GIF = "Content-Type: image/gif \n\n";

public static final String HEADER\_CONTENT\_TYPE\_CSS = "Content-Type: text/css \n\n";

public static final String HEADER\_CONTENT\_TYPE\_HTML = "Content-Type: text/html \n\n";

public static final String HEADER\_CONTENT\_TYPE\_WAV = "Content-Type: audio/wav \n\n";

public static final String HEADER\_CONTENT\_TYPE\_FONT\_WOFF

= "Content-Type: image/font-woff \n\n";

public static final String HEADER\_CONTENT\_TYPE\_JS

= "content-type: text/javascript; charset:UTF-8 \n\n";

public static final String HEADER\_CACHE\_CONTROL = "Cache-control: max-age=315360000 \n";

public static final String HEADER\_HTTP\_200\_OK = "http/1.1 200 ok \n";

public static final String HEADER\_HTTP\_200\_OK\_DOUBLE\_ENTER ="HTTP/1.1 200 OK\n\n";

public static final String HEADER\_HOST = "Host:deta software \n";

public static final String HEADER\_CONTENT\_ENCODING\_GZIP = "Content-Encoding:gzip \n";

public static final String HEADER\_ACCEPT\_RANGES\_BYTES = "Accept-Ranges: bytes \n";

public static final String HEADER\_CONTENT\_LENGTH = "Content-Length: ";

//REST PATH

public static final String REST\_PATH\_SELECT = "/select";

public static final String REST\_PATH\_SETDB = "/setDB";

public static final String REST\_PATH\_INSERT = "/insert";

public static final String REST\_PATH\_DELETE = "/delete";

public static final String REST\_PATH\_UPDATE = "/update";

public static final String REST\_PATH\_DB\_CATEGORY = "DBCategory";

public static final String REST\_PATH\_EXEC\_DETA\_PLSQL = "/execDetaPLSQL";

public static final String REST\_PATH\_LOGIN = "/login";

public static final String REST\_PATH\_FIND = "/find";

public static final String REST\_PATH\_LOGOUT = "/logout";

public static final String REST\_PATH\_REGISTER = "/register";

public static final String REST\_PATH\_CHANGE = "/change";

public static final String REST\_PATH\_CHECK\_STATUS = "/checkStatus";

public static final String REST\_PATH\_SET\_DB\_PATH = "/setDBPath";

public static final String REST\_PATH\_SET\_DB\_TABLE = "/setDBTable";

public static final String REST\_PATH\_DELETE\_ROWS\_BY\_TABLE\_PATH\_AND\_INDEX

= "/deleteRowByTablePathAndIndex";

public static final String REST\_PATH\_INSERT\_ROW\_BY\_BASE\_NAME = "/insertRowByBaseName";

public static final String REST\_PATH\_INSERT\_ROW\_BY\_TABLE\_PATH

= "/insertRowByTablePath";

public static final String REST\_PATH\_SELECT\_ROWS\_BY\_ATTRIBUTE

= "/selectRowsByAttribute";

public static final String REST\_PATH\_SELECT\_ROWS\_BY\_TABLE\_PATH

= "/selectRowsByTablePath";

public static final String REST\_PATH\_UPDATE\_ROW\_BY\_TABLE\_PATH\_AND\_INDEX

= "/updateRowByTablePathAndIndex";

public static final String REST\_PATH\_MEDICINEZY = "/dataZY";

public static final String REST\_PATH\_MEDICINEXY = "/dataXY";

public static final String REST\_PATH\_MEDICINEZT = "/dataZT";

public static final String REST\_PATH\_MEDICINEXT = "/dataXT";

public static final String REST\_PATH\_MEDICINEYT = "/dataYT";

public static final String REST\_PATH\_SEARCH = "/search";

}

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FMHMMNode, 隐马尔可夫类

package AVQ.ASQ.OVQ.OSQ.VSQ.obj;

import java.util.Map;

public class FMHMMNode extends HMMNode {

public Map<String, Integer> getNext() {

return next;

}

public void I\_Next(Map<String, Integer> next) {

this.next = next;

}

private Map<String, Integer> next;

}

WordFrequency, 词频类

package AVQ.ASQ.OVQ.OSQ.VSQ.obj;

public class WordFrequency {

public String getPOS() {

return POS;

}

public void I\_POS(String POS) {

this.POS = POS;

}

public String getWord() {

return word;

}

public void I\_Word(String word) {

this.word = word;

}

public int getFrequency() {

return frequency;

}

public void I\_Frequency(int frequency) {

this.frequency = frequency;

}

public WordFrequency getLeft() {

return left;

}

public void I\_Left(WordFrequency left) {

this.left = left;

}

public WordFrequency getRight() {

return right;

}

public void I\_Right(WordFrequency right) {

this.right = right;

}

private String word;

private String POS;

private int frequency;

private WordFrequency left;

private WordFrequency right;

}

FMHMMPOS, 隐马尔可夫类

package AVQ.ASQ.OVQ.OSQ.VSQ.obj;

import java.util.Map;

public class FMHMMPOS extends HMMNode {

public Map<String, Integer> getNext() {

return next;

}

public void I\_Next(Map<String, Integer> next) {

this.next = next;

}

private Map<String, Integer> next;

}

FMHMMNode, 隐马尔可夫类

package AVQ.ASQ.OVQ.OSQ.VSQ.obj;

import java.util.Map;

public class FMHMMNode extends HMMNode {

public Map<String, Integer> getNext() {

return next;

}

public void I\_Next(Map<String, Integer> next) {

this.next = next;

}

private Map<String, Integer> next;

}

Verbal, 词汇处理类

package AVQ.ASQ.OVQ.OSQ.VSQ.obj;

@SuppressWarnings("unused")

public class Verbal{

public String getChinese() {

return chinese;

}

public void I\_Chinese(String chinese) {

this.chinese = chinese;

}

public String getEnglish() {

return english;

}

public void I\_English(String english) {

this.english = english;

}

public String getPartOfSpeech() {

return partOfSpeech;

}

public void I\_PartOfSpeech(String partOfSpeech) {

this.partOfSpeech = partOfSpeech;

}

public String getExplain() {

return explain;

}

public void I\_Explain(String explain) {

this.explain = explain;

}

public Verbal getNext() {

return next;

}

public void I\_Next(Verbal next) {

this.next = next;

}

public Verbal getPrev() {

return prev;

}

public void I\_Prev(Verbal prev) {

this.prev = prev;

}

private String chinese;

private String japanese;

private String korea;

private String russian;

private String arabic;

private String french;

private String german;

private String spanish;

private String pinyin;

private String english;

private String partOfSpeech;

private String explain;

private Verbal next;

private Verbal prev;

}

DemoPOSforSpecial, Demo类

package ASQ.PSU.test;

import java.io.IOException;

import java.util.ArrayList;

import java.util.List;

import java.util.Map;

import OCI.ME.analysis.C.A;

import OEI.ME.analysis.E.CogsBinaryForest\_AE;

import OEI.ME.analysis.E.BinaryForest\_AE;

import static java.lang.System.\*;

public class DemoPOSforSpecial\_UTF8 {

public static void main(String[] args) throws IOException {

A \_A = new CogsBinaryForest\_AE();

\_A.IV\_Mixed();

Map<String, String> nlp = ((BinaryForest\_AE)\_A).getPosCnToCn();

List<String> sets = new ArrayList<>();

String[] ss = new String[1];

String[] ss1 = new String[1];

ss[0]= "存在这是非常常是非常愚蠢的为主要求知不断的提高自身的知识的不锻炼改变化나는일을준비하고있다";;

ss1[0] = "存在 这 是非 常常 是 非常 愚蠢 的 为 主要 求知 不断 的 提高 自身 的 知识 的 不 锻炼 改 变化 나는일을준비하고있다"; //韩语的切词方法请自行扩展。本人在\_A.IV\_All(); 有展示。

for (int i = 0; i < ss.length; i++) {

System.out.println("超级变态复杂病句-->" + ss[i]);

sets = \_A.parserMixedString(ss[i].replace(" ", " "));

out.print("分析处理真实结果-->");

for (int j = 0; j < sets.size(); j++) {

if (!sets.get(j).replaceAll("\\s+", "").equals("")) {

out.print(sets.get(j) + " ");

}

}

out.println();

out.println("分析处理真实效果-->" + ss1[i]);

for (int k = 0; k < sets.size(); k++) {

if (!sets.get(k).replaceAll("\\s+", "").equals("")) {

nlp.get(sets.get(k));

out.println(sets.get(k) + "/" + nlp.get(sets.get(k)) + " ");

}

}

out.println("");

}

}

}

DemoPOS, Demo类

package ASQ.PSU.test;

import java.io.IOException;

import java.util.ArrayList;

import java.util.List;

import java.util.Map;

import OCI.ME.analysis.C.A;

//import OCI.ME.analysis.C.A;

import OEI.ME.analysis.E.CogsBinaryForest\_AE;

import OEI.ME.analysis.E.BinaryForest\_AE;

import static java.lang.System.\*;

public class DemoPOS {

public static void main(String[] args) throws IOException {

A \_A = new CogsBinaryForest\_AE();

\_A.IV\_Mixed();//.init();

Map<String, String> nlp = ((BinaryForest\_AE) \_A).getPosCnToCn();

List<String> sets = new ArrayList<>();

String[] ss = new String[37];

String[] ss1 = new String[37];

ss[0] = "";

ss[1] = "海南方向逃跑";

ss[2] = "他说的确实在?????";// 本人 联想2018年的电脑是UTF8 +GBK eclipse编码，2019年买的联想 windows10操作系统 竟然没有UTF8编码，只有eclipse 支持，结果导致，GBK和UTF8 混合开发一些高级字符变成了乱码。测试demo文档我先不管了。另外，拿着乱码的部分显示句子进行分词，发现我的3字词分词少了几个语法工程中我会补上， 如 （ss[7]的 大学 生前， 大学生 前来）

ss[3] = "";

ss[4] = "";

ss[5] = "提高产品质量";

ss[6] = "中外科学名著";

ss[7] = "北京大学生前来应?????";

ss[8] = "为人民服?????";

ss[9] = "独立自主和平等互利的原则";

ss[10] = "为人民办公益";

ss[11] = "这事的确定不下来";

ss[12] = "这扇门把手坏?????";

ss[13] = "他把手抬起来";

ss[14] = "学生会宣传部";

ss[15] = "学生会主动完成作?????";

ss[16] = "学生会游?????";

ss[17] = "研究生活水平";

ss[18] = "中国有企?????";

ss[19] = "我爱美国手球";

ss[20] = "中国喜欢?????";

ss[21] = "中国热爱?????";

ss[22] = "王军虎去广州?????";

ss[23] = "王军虎头虎脑?????";

ss[24] = "将军任命了一名中?????";

ss[25] = "产量三年中将增长两??";

ss[26] = "";

ss[27] = "我来到北京清华大?????";

ss1[0] = "";

ss1[1] = "????? ????? 方向 逃跑";

ss1[2] = "????? ????? ????? 确实 在理";

ss1[3] = "";

ss1[4] = "";

ss1[5] = "提高 产品 质量";

ss1[6] = "中外 科学 名著";

ss1[7] = "北京 大学????? ????? ????? 应聘";

ss1[8] = "????? 人民 服务";

ss1[9] = "独立 自主 ????? 平等 互利 ????? 原则";

ss1[10] = "????? 人民 办公?????";

ss1[11] = "这事 的确 ????? ????? 下来";

ss1[12] = "????? ????? ????? 把手 ????? ?????";

ss1[13] = "????? ????? ????? ????? 起来";

ss1[14] = "学生????? 宣传 ?????";

ss1[15] = "学生 ????? 主动 完成 作业";

ss1[16] = "学生????? 游戏";

ss1[17] = "研究 生活 水平";

ss1[18] = "中国 ????? 企业";

ss1[19] = "????? ????? 美国 手球";

ss1[20] = "";

ss1[21] = "";

ss1[22] = "王军????? ????? 广州 ?????";

ss1[23] = "王军 虎头虎脑 ?????";

ss1[24] = "将军 任命 ????? ?????????? 中将";

ss1[25] = "产量 ????? ????? ????? ????? 增长 两??";

ss1[26] = "";

ss1[27] = "????? 来到 北京 清华 大学";

ss[28] = "";

ss1[28] = "";

ss[29] = "";

ss1[29] = "";

ss[30] = " ";

ss1[30]= " ";

ss[31] = " ";

ss1[31] = "";

ss[32] = " ";

ss1[32]= " ";

ss[33] = "老人家身体不?????";

ss[34]= "老人家中很干?????";

ss1[33] = "????? 人家 身体 不错";

ss1[34]= "老人 ????? ????? ????? 干净";

ss[35] = "版权归属做出回应";

ss[36] = "有用户发?????";

ss1[35] = "版权 归属 ????? ????? 回应";

ss1[36] = " ????? 用户 发现";

for (int i = 0; i < ss.length; i++) {

System.out.println("超级变?复杂病?????-->" + ss[i]);

sets = \_A.parserMixedString(ss[i].replace(" ", ""));//词?分?????

out.print("分析处理真实结果-->");

for (int j = 0; j < sets.size(); j++) {

if (!sets.get(j).replaceAll("\\s+", "").equals("")) {

out.print(sets.get(j) + " ");

}

}

out.println();

out.println("期望得到分词效果-->" + ss1[i]);

for (int k = 0; k < sets.size(); k++) {

if (!sets.get(k).replaceAll("\\s+", "").equals("")) {

nlp.get(sets.get(k));

out.println(sets.get(k) + "/" + nlp.get(sets.get(k)) + " ");

}

}

out.println("");

}

}

}

FHMMList, 隐马尔可夫类

package OCI.SVQ.MPC.fhmm.C;

//词汇翻译系统import java.io.IOException;

import java.util.List;

import java.util.Map;

import AVQ.ASQ.OVQ.OSQ.VSQ.obj.FMHMMNode;

public interface FHMMList {

void index() throws IOException;

void indexMixed() throws IOException;

void indexAll() throws IOException;

void indexPosEnToCn() throws IOException;

void indexPosEnToEn() throws IOException;

void indexEnToCn() throws IOException;

void indexCnToEn() throws IOException;

void indexFullEnToCn() throws IOException;

void indexFullCnToEn() throws IOException;

void indexFullCnToJp() throws IOException;

void indexFullCnToRs() throws IOException;

void indexFullCnToAb() throws IOException;

void indexFullCnToFn() throws IOException;

void indexFullCnToGm() throws IOException;

void indexFullCnToKo() throws IOException;

void indexFullCnToSp() throws IOException;

void indexFullCnToPy() throws IOException;

void indexFullNegative() throws IOException;

void indexFullPositive() throws IOException;

Map<Long, FMHMMNode> getMap();

Map<Long, FMHMMNode>[] getMaps();

Map<String, String> getPosEnToCn();

Map<String, String> getPosEnToEn();

Map<String, String> getPosCnToCn();

Map<String, String> getEnToCn();

Map<String, String> getCnToEn();

Map<String, String> getFullEnToCn();

Map<String, String> getFullCnToEn();

Map<String, String> getFullCnToJp();

Map<String, String> getFullCnToRs();

Map<String, String> getFullCnToAb();

Map<String, String> getFullCnToFn();

Map<String, String> getFullCnToGm();

Map<String, String> getFullCnToKo();

Map<String, String> getFullCnToSp();

Map<String, String> getFullCnToPy();

Map<String, String> getFullNegative();

Map<String, String> getFullPositive();

List<String> englishStringToWordsList(String string);

Map<Long, Map<String, String>> getWordsForests();

void studyNewPos(String string, String posStudy);

Map<String, String> getStudyPos();

Map<String, String> getFullCnToTt();

void indexFullCnToTt() throws IOException;

}

PillowsSet, 资源类

package OEI.SVQ.MPC.fhmm.E;

import java.util.HashMap;

import java.util.Hashtable;

import java.util.LinkedHashMap;

import java.util.Map;

import java.util.TreeMap;

import java.util.concurrent.ConcurrentHashMap;

import SVQ.stable.StablePOS;

import PEU.P.time.\*;

public class PillowsSet{

public long index;

public boolean entry = false;

public Object object;

public PillowsSet smallOrder;

public PillowsSet largeOrder;

public PillowsSet preSmallOrder;

public PillowsSet preLargeOrder;

public void arrangePillow(long index, Object object, int pillows, int depth, int currentDepth)

throws CloneNotSupportedException {

if(null== this.object) {

this.index= index;

this.object= object;

return;

}

if(index< this.index) {

if(null== smallOrder) {

smallOrder= new PillowsSet();

smallOrder.preLargeOrder= this;

}

smallOrder.arrangePillow(index, object, pillows, depth, currentDepth + StablePOS.INT\_ONE);

}

if(index> this.index) {

if(null== largeOrder) {

largeOrder= new PillowsSet();

largeOrder.preSmallOrder= this;

}

largeOrder.arrangePillow(index, object, pillows, depth, currentDepth + StablePOS.INT\_ONE);

}

}

public Object getPillow(long index) {

if(index== this.index) {

return object;

}

if(index< this.index) {

return smallOrder.getPillow(index);

}

if(index> this.index ) {

return largeOrder.getPillow(index);

}

return null;

}

public void superBalance() {

}

public void show() {

entry= true;

if(smallOrder!= null&& !smallOrder.entry) {

smallOrder.show();

}

if(largeOrder!= null&& !largeOrder.entry) {

largeOrder.show();

}

}

public static void main(String[] argv) throws CloneNotSupportedException {

int pillows= StablePOS.INT\_ZERO;

int depth= pillows >> StablePOS.INT\_ONE;

int currentDepth = StablePOS.INT\_ZERO;

PillowsSet pillowsMap= new PillowsSet();

for(int i=StablePOS.INT\_ZERO; i<5000; i++) {

pillowsMap.arrangePillow(i, i, pillows++, depth, currentDepth);

}

pillowsMap.fixEntry();

pillowsMap.show();

//TimeCheck timecheck = new TimeCheck();

//timecheck.begin();

//for(int i=0;i<100000;i++) {

//// pillowsMap.getPillow(100);

//}

//timecheck.end();

//timecheck.duration();

System.out.println(pillowsMap.getPillow(100));

Map<Long, Object> map = new HashMap<>();

for(long i=0;i<5000000;i++) {

map.put(i, i);

}

long v=1000;

TimeCheck timecheck = new TimeCheck();

timecheck.begin();

for(int i=0;i<5000000;i++) {

map.get(v);

}

timecheck.end();

timecheck.duration();

System.out.println(map.get(v));

//c

map = new ConcurrentHashMap<>();

for(long i=0;i<5000000;i++) {

map.put(i, i);

}

v=1000;

timecheck = new TimeCheck();

timecheck.begin();

for(int i=0;i<5000000;i++) {

map.get(v);

}

timecheck.end();

timecheck.duration();

System.out.println(map.get(v));

//map compare

map = new LinkedHashMap<>();

for(long i=0;i<5000000;i++) {

map.put(i, i);

}

v=1000;

timecheck.begin();

for(int i=0;i<5000000;i++) {

map.get(v);

}

timecheck.end();

timecheck.duration();

System.out.println(map.get(v));

//

Hashtable<Long, Object> table = new Hashtable<>();

for(long i=0;i<5000000;i++) {

table.put(i, i);

}

v=1000;

timecheck.begin();

for(int i=0;i<5000000;i++) {

table.get(v);

}

timecheck.end();

timecheck.duration();

System.out.println(table.get(v));

//

TreeMap<Long, Object> tree = new TreeMap<>();

for(long i=0;i<5000000;i++) {

tree.put(i, i);

}

v=1000;

timecheck.begin();

for(int i=0;i<5000000;i++) {

tree.get(v);

}

timecheck.end();

timecheck.duration();

System.out.println(tree.get(v));

}

private void fixEntry() {

int small = 0;

int large = 0;

if(largeOrder == null && preLargeOrder!=null) {

largeOrder = preLargeOrder;

if(largeOrder.preLargeOrder!=null) {

preLargeOrder = largeOrder.preLargeOrder;

preLargeOrder.smallOrder = this;

}else if(largeOrder.preSmallOrder!=null) {

preSmallOrder = largeOrder.preSmallOrder;

preSmallOrder.largeOrder = this;

}

largeOrder.smallOrder = null;

large=1;

}

if(smallOrder == null && preSmallOrder!=null) {

smallOrder = preSmallOrder;

if(smallOrder.preSmallOrder != null) {

preSmallOrder = smallOrder.preSmallOrder;

preSmallOrder.largeOrder = this;

}else if(smallOrder.preLargeOrder!=null) {

preLargeOrder = smallOrder.preLargeOrder;

preLargeOrder.smallOrder = this;

}

smallOrder.largeOrder = null;

small=1;

}

if(smallOrder != null&&small==0) {

smallOrder.fixEntry();

}

if(largeOrder != null&&large==0) {

largeOrder.fixEntry();

}

}

}

FMHMMListOneTimeImp, 隐马尔可夫类

package OEI.SVQ.MPC.fhmm.E;

import java.io.BufferedReader;

import java.io.IOException;

import java.io.InputStream;

import java.io.InputStreamReader;

import java.util.HashMap;

import java.util.Iterator;

import java.util.LinkedList;

import java.util.List;

import java.util.Map;

import java.util.concurrent.ConcurrentHashMap;

//import java.util.concurrent.HashMap;

import java.util.concurrent.CopyOnWriteArrayList;

import AVQ.ASQ.OVQ.OSQ.VSQ.obj.FMHMMNode;

import AVQ.ASQ.OVQ.OSQ.VSQ.obj.FMHMMPOS;

import SVQ.stable.StablePOS;

import SVQ.stable.StableMaps;

import OCI.SVQ.MPC.fhmm.C.FHMMList;

import PEU.P.nlp.\*;

//I will build a collection class for managing this maps. at the next version.

@SuppressWarnings("unchecked")

public class FMHMMListOneTime\_E implements FHMMList {

private Map<String, String> studyPos;

private Map<String, String> posCnToCn;

private Map<String, String> posEnToEn;

private Map<String, String> posEnToCn;

private Map<String, String> enToCn;

private Map<String, String> cnToEn;

private Map<String, String> fullEnToCn;

private Map<String, String> fullCnToEn;

private Map<String, String> fullCnToFn;

private Map<String, String> fullCnToKo;

private Map<String, String> fullCnToJp;

private Map<String, String> fullCnToSp;

private Map<String, String> fullCnToAb;

private Map<String, String> fullCnToGm;

private Map<String, String> fullCnToRs;

private Map<String, String> fullCnToPy;

private Map<String, String> fullCnToTt;

private Map<String, String> fullPositive;

private Map<String, String> fullNegative;

private List<String> listEn;

private List<String> listCn;

private List<String> listFn;

private List<String> listKo;

private List<String> listJp;

private List<String> listSp;

private List<String> listGm;

private List<String> listRs;

private List<String> listAb;

private List<String> listPy;

private List<String> listTt;

public Map<Long, FMHMMPOS> POSHashMap;

public Map<Long, FMHMMNode> linkedHashMap;

public Map<Long, FMHMMNode> getMap() {

return this.linkedHashMap;

}

public Map<Long, FMHMMNode>[] getMaps() {

int segment= this.linkedHashMap.size();

int perRatio= segment/ StablePOS.INT\_SIX;

Map<Long, FMHMMNode>[] maps= new HashMap[StablePOS.INT\_SIX];

Iterator<Long> iterator= this.linkedHashMap.keySet().iterator();

maps[StablePOS.INT\_ZERO]= new HashMap<>();

int index= StablePOS.INT\_ZERO;

int count= StablePOS.INT\_ONE;

while(iterator.hasNext()) {

if(StablePOS.INT\_ZERO== count++ % perRatio) {

if(index< StablePOS.INT\_FIVE) {

index++;

maps[index]= new HashMap<>();

}

}

Long key= iterator.next();

maps[index].put(key, this.linkedHashMap.get(key));

}

return maps;

}

public void indexAll() throws IOException {

studyPos= new ConcurrentHashMap<>();

posCnToCn= new ConcurrentHashMap<>();

linkedHashMap= new ConcurrentHashMap<>();

listCn= new CopyOnWriteArrayList<>();

listAb= new CopyOnWriteArrayList<>();

listKo= new CopyOnWriteArrayList<>();

listJp= new CopyOnWriteArrayList<>();

listRs= new CopyOnWriteArrayList<>();

listTt= new CopyOnWriteArrayList<>();

listEn= new CopyOnWriteArrayList<>();

listPy= new CopyOnWriteArrayList<>();

InputStream inputStream= getClass().getResourceAsStream(StablePOS.WORDS\_SOURSE\_LINK\_POS\_CN\_TO\_CN);

BufferedReader cReader= new BufferedReader(new InputStreamReader(inputStream, StablePOS.UTF8\_STRING));

InputStream inputStreamKorea= getClass().getResourceAsStream(StablePOS.WORDS\_SOURSE\_LINK\_POS\_CN\_TO\_KO);

BufferedReader cReaderKorea= new BufferedReader(new InputStreamReader(inputStreamKorea, StablePOS.UTF8\_STRING));

InputStream inputStreamJapan= getClass().getResourceAsStream(StablePOS.WORDS\_SOURSE\_LINK\_POS\_CN\_TO\_JP);

BufferedReader cReaderJapan= new BufferedReader(new InputStreamReader(inputStreamJapan, StablePOS.UTF8\_STRING));

InputStream inputStreamTrandition= getClass().getResourceAsStream(StablePOS.WORDS\_SOURSE\_LINK\_POS\_CN\_TO\_TT);

BufferedReader cReaderTrandition= new BufferedReader(new InputStreamReader(inputStreamTrandition, StablePOS.UTF8\_STRING));

InputStream inputStreamEnglish= getClass().getResourceAsStream(StablePOS.WORDS\_SOURSE\_LINK\_POS\_EN\_TO\_EN);

BufferedReader cReaderEnglish= new BufferedReader(new InputStreamReader(inputStreamEnglish, StablePOS.UTF8\_STRING));

InputStream inputStreamPinYin= getClass().getResourceAsStream(StablePOS.WORDS\_SOURSE\_LINK\_POS\_CN\_TO\_PY);

BufferedReader cReaderPinYin= new BufferedReader(new InputStreamReader(inputStreamPinYin, StablePOS.UTF8\_STRING));

InputStream inputStreamRs= getClass().getResourceAsStream(StablePOS.WORDS\_SOURSE\_LINK\_POS\_CN\_TO\_RS);

BufferedReader cReaderRs= new BufferedReader(new InputStreamReader(inputStreamRs, StablePOS.UTF8\_STRING));

InputStream inputStreamAb= getClass().getResourceAsStream(StablePOS.WORDS\_SOURSE\_LINK\_POS\_CN\_TO\_AB);

BufferedReader cReaderAb= new BufferedReader(new InputStreamReader(inputStreamAb, StablePOS.UTF8\_STRING));

String cInputString;

String cInputStringKorea;

String cInputStringJapan;

String cInputStringTrandition;

String cInputStringEnglish;

String cInputStringPinYin;

String cInputStringRs;

String cInputStringAb;

Here:

while ((cInputString = cReader.readLine()) != null) {

cInputStringKorea= cReaderKorea.readLine();

cInputStringJapan= cReaderJapan.readLine();

cInputStringTrandition= cReaderTrandition.readLine();

cInputStringEnglish= cReaderEnglish.readLine();

cInputStringPinYin= cReaderPinYin.readLine();

cInputStringRs= cReaderRs.readLine();

cInputStringAb= cReaderAb.readLine();

listCn.add(cInputString);

if(null!= cInputStringKorea) {

listKo.add(cInputStringKorea);

//加韩语例子在这。注意词库的/后面要有标识

}

if(null!= cInputStringJapan) {

listJp.add(cInputStringJapan);

//加日语例子在这。注意词库的/后面要有标识

}

if(null!= cInputStringTrandition) {

listTt.add(cInputStringTrandition);

//繁体

if(StablePOS.INT\_ONE== cInputStringTrandition.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO].length()) {

StableMaps.CiOne.put(cInputStringTrandition.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputStringTrandition

.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(StablePOS.INT\_TWO== cInputStringTrandition.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO].length()) {

StableMaps.CiTwo.put(cInputStringTrandition.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputStringTrandition

.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(StablePOS.INT\_THREE== cInputStringTrandition.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO].length()) {

StableMaps.CiThree.put(cInputStringTrandition.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputStringTrandition

.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(StablePOS.INT\_FOUR== cInputStringTrandition.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO].length()) {

StableMaps.CiFour.put(cInputStringTrandition.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputStringTrandition

.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

}

if(null!= cInputStringEnglish) {

listEn.add(cInputStringEnglish);

//跟上面的同理。词库翻译下即可我就不设计了。

}

if(null!= cInputStringPinYin) {

listPy.add(cInputStringPinYin);

}

if(null!= cInputStringRs) {

listRs.add(cInputStringRs);

}

if(null!= cInputStringAb) {

listAb.add(cInputStringAb);

}

if(!(!cInputString.replace(StablePOS.SPACE\_STRING, StablePOS.EMPTY\_STRING).equals(StablePOS.EMPTY\_STRING)&& cInputString.split(StablePOS.NLP\_SYMBO\_SLASH).length > StablePOS.INT\_ONE )) {

continue Here;

}

if(StablePOS.INT\_ONE== cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO].length()) {

StableMaps.CiOne.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(StablePOS.INT\_TWO== cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO].length()) {

StableMaps.CiTwo.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(StablePOS.INT\_THREE== cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO].length()) {

StableMaps.CiThree.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(StablePOS.INT\_FOUR== cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO].length()) {

StableMaps.CiFour.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(!StableMaps.fuCi.containsKey(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO])&& cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE].contains(StablePOS.NLP\_CI\_FU)) {

StableMaps.fuCi.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO], cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

if(null!= cInputStringKorea) {

StableMaps.fuCi.put(cInputStringKorea.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringJapan) {

StableMaps.fuCi.put(cInputStringJapan.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringTrandition) {

StableMaps.fuCi.put(cInputStringTrandition.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringEnglish) {

StableMaps.fuCi.put(cInputStringEnglish.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

}

if(!StableMaps.dongCi.containsKey(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO])&& cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE].contains(StablePOS.NLP\_CI\_DONG)) {

StableMaps.dongCi.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO], cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

if(null!= cInputStringKorea) {

StableMaps.dongCi.put(cInputStringKorea.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringJapan) {

StableMaps.dongCi.put(cInputStringJapan.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringTrandition) {

StableMaps.dongCi.put(cInputStringTrandition.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringEnglish) {

StableMaps.dongCi.put(cInputStringEnglish.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

}

if(!StableMaps.liangCi.containsKey(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO])&& cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE].contains(StablePOS.NLP\_CI\_LIANG)) {

StableMaps.liangCi.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO], cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

if(null!= cInputStringKorea) {

StableMaps.liangCi.put(cInputStringKorea.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringJapan) {

StableMaps.liangCi.put(cInputStringJapan.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringTrandition) {

StableMaps.liangCi.put(cInputStringTrandition.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringEnglish) {

StableMaps.liangCi.put(cInputStringEnglish.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

}

if(!StableMaps.lianCi.containsKey(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO])&& cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE].contains(StablePOS.NLP\_CI\_LIAN)) {

StableMaps.lianCi.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO], cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

if(null!= cInputStringKorea) {

StableMaps.lianCi.put(cInputStringKorea.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringJapan) {

StableMaps.lianCi.put(cInputStringJapan.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringTrandition) {

StableMaps.lianCi.put(cInputStringTrandition.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringEnglish) {

StableMaps.lianCi.put(cInputStringEnglish.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

} if(!StableMaps.baDongCi.containsKey(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO])&& cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE].contains(StablePOS.NLP\_CI\_BA\_DONG)) {

StableMaps.baDongCi.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO], cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

if(null!= cInputStringKorea) {

StableMaps.baDongCi.put(cInputStringKorea.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringJapan) {

StableMaps.baDongCi.put(cInputStringJapan.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringTrandition) {

StableMaps.baDongCi.put(cInputStringTrandition.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringEnglish) {

StableMaps.baDongCi.put(cInputStringEnglish.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

}

if(!StableMaps.xianDingCi.containsKey(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO])&& cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE].contains(StablePOS.NLP\_CI\_XIAN\_DING)) {

StableMaps.xianDingCi.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO], cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

if(null!= cInputStringKorea) {

StableMaps.xianDingCi.put(cInputStringKorea.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringJapan) {

StableMaps.xianDingCi.put(cInputStringJapan.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringTrandition) {

StableMaps.xianDingCi.put(cInputStringTrandition.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringEnglish) {

StableMaps.xianDingCi.put(cInputStringEnglish.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

} if(!StableMaps.mingCi.containsKey(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO])&& cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE].contains(StablePOS.NLP\_CI\_MING)) {

StableMaps.mingCi.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO], cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

if(null!= cInputStringKorea) {

StableMaps.mingCi.put(cInputStringKorea.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringJapan) {

StableMaps.mingCi.put(cInputStringJapan.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringTrandition) {

StableMaps.mingCi.put(cInputStringTrandition.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringEnglish) {

StableMaps.mingCi.put(cInputStringEnglish.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

}

if(!StableMaps.daiCi.containsKey(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO])&& cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE].contains(StablePOS.NLP\_CI\_DAI)) {

StableMaps.daiCi.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO], cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

if(null!= cInputStringKorea) {

StableMaps.daiCi.put(cInputStringKorea.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringJapan) {

StableMaps.daiCi.put(cInputStringJapan.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringTrandition) {

StableMaps.daiCi.put(cInputStringTrandition.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringEnglish) {

StableMaps.daiCi.put(cInputStringEnglish.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

}

if(!StableMaps.jieCi.containsKey(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO])&& cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE].contains(StablePOS.NLP\_CI\_JIE)) {

StableMaps.jieCi.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO], cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

if(null!= cInputStringKorea) {

StableMaps.jieCi.put(cInputStringKorea.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringJapan) {

StableMaps.jieCi.put(cInputStringJapan.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringTrandition) {

StableMaps.jieCi.put(cInputStringTrandition.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringEnglish) {

StableMaps.jieCi.put(cInputStringEnglish.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

}

if(!StableMaps.xingRongCi.containsKey(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO])&& cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE].contains(StablePOS.NLP\_CI\_XING\_RONG)) {

StableMaps.xingRongCi.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO], cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

if(null!= cInputStringKorea) {

StableMaps.xingRongCi.put(cInputStringKorea.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringJapan) {

StableMaps.xingRongCi.put(cInputStringJapan.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringTrandition) {

StableMaps.xingRongCi.put(cInputStringTrandition.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringEnglish) {

StableMaps.xingRongCi.put(cInputStringEnglish.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

}

if(!StableMaps.zhuCi.containsKey(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO])&& cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE].contains(StablePOS.NLP\_CI\_ZHU)) {

StableMaps.zhuCi.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO], cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

if(null!= cInputStringKorea) {

StableMaps.zhuCi.put(cInputStringKorea.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringJapan) {

StableMaps.zhuCi.put(cInputStringJapan.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringTrandition) {

StableMaps.zhuCi.put(cInputStringTrandition.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringEnglish) {

StableMaps.zhuCi.put(cInputStringEnglish.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

}

if(!StableMaps.weiCi.containsKey(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO])&& cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE].contains(StablePOS.NLP\_CI\_WEI)) {

StableMaps.weiCi.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO], cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

if(null!= cInputStringKorea) {

StableMaps.weiCi.put(cInputStringKorea.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringJapan) {

StableMaps.weiCi.put(cInputStringJapan.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringTrandition) {

StableMaps.weiCi.put(cInputStringTrandition.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringEnglish) {

StableMaps.weiCi.put(cInputStringEnglish.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

}

if(!StableMaps.shengLueCi.containsKey(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO])&& cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE].contains(StablePOS.NLP\_CI\_SHENG\_LUE)) {

StableMaps.shengLueCi.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO], cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

if(null!= cInputStringKorea) {

StableMaps.shengLueCi.put(cInputStringKorea.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringJapan) {

StableMaps.shengLueCi.put(cInputStringJapan.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringTrandition) {

StableMaps.shengLueCi.put(cInputStringTrandition.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringEnglish) {

StableMaps.shengLueCi.put(cInputStringEnglish.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

}

if(!StableMaps.qingTaiCi.containsKey(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO])&& cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE].contains(StablePOS.NLP\_CI\_QING\_TAI)) {

StableMaps.qingTaiCi.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO], cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

if(null!= cInputStringKorea) {

StableMaps.qingTaiCi.put(cInputStringKorea.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringJapan) {

StableMaps.qingTaiCi.put(cInputStringJapan.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringTrandition) {

StableMaps.qingTaiCi.put(cInputStringTrandition.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringEnglish) {

StableMaps.qingTaiCi.put(cInputStringEnglish.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

}

if(!StableMaps.xingWeiCi.containsKey(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO])&& cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE].contains(StablePOS.NLP\_CI\_XING\_WEI)) {

StableMaps.xingWeiCi.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO], cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

if(null!= cInputStringKorea) {

StableMaps.xingWeiCi.put(cInputStringKorea.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringJapan) {

StableMaps.xingWeiCi.put(cInputStringJapan.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringTrandition) {

StableMaps.xingWeiCi.put(cInputStringTrandition.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringEnglish) {

StableMaps.xingWeiCi.put(cInputStringEnglish.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

}

if(!StableMaps.shiTaiCi.containsKey(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO])&& cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE].contains(StablePOS.NLP\_CI\_SHI\_TAI)) {

StableMaps.shiTaiCi.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO], cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

if(null!= cInputStringKorea) {

StableMaps.shiTaiCi.put(cInputStringKorea.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringJapan) {

StableMaps.shiTaiCi.put(cInputStringJapan.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringTrandition) {

StableMaps.shiTaiCi.put(cInputStringTrandition.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringEnglish) {

StableMaps.shiTaiCi.put(cInputStringEnglish.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

}

if(!StableMaps.dingMingCi.containsKey(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO])&& cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE].contains(StablePOS.NLP\_CI\_DING\_MING)) {

StableMaps.dingMingCi.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO], cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

if(null!= cInputStringKorea) {

StableMaps.dingMingCi.put(cInputStringKorea.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringJapan) {

StableMaps.dingMingCi.put(cInputStringJapan.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringTrandition) {

StableMaps.dingMingCi.put(cInputStringTrandition.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringEnglish) {

StableMaps.dingMingCi.put(cInputStringEnglish.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

}

studyPos.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO], cInputString

.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

posCnToCn.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO], cInputString

.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

linkedHashMap = loopLoadForest(cInputString);

if(null!= cInputStringKorea) {

posCnToCn.put(cInputStringKorea.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO], cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

linkedHashMap = loopLoadForest(cInputStringKorea);

}

if(null!= cInputStringJapan) {

if(!posCnToCn.containsKey(cInputStringJapan.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO])) {

posCnToCn.put(cInputStringJapan.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputStringJapan

.split(StablePOS.NLP\_SYMBO\_SLASH).length> StablePOS.INT\_ONE?cInputStringJapan

.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]:"δ֪");

linkedHashMap = loopLoadForest(cInputStringJapan);

}

}

if(null!= cInputStringTrandition) {

if(!posCnToCn.containsKey(cInputStringTrandition.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO])) {

posCnToCn.put(cInputStringTrandition.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO], cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

linkedHashMap = loopLoadForest(cInputStringTrandition);

}

}

if(null!= cInputStringEnglish) {

posCnToCn.put(cInputStringEnglish.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO].toLowerCase(), cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringRs) {

posCnToCn.put(cInputStringRs.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO].toLowerCase()

, cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringAb) {

posCnToCn.put(cInputStringAb.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO].toLowerCase()

, cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

}

cReader.close();

cReaderKorea.close();

cReaderJapan.close();

cReaderTrandition.close();

cReaderEnglish.close();

cReaderPinYin.close();

cReaderRs.close();

cReaderAb.close();

//trim

StableMaps.baDongCi.remove("");

StableMaps.daiCi.remove("");

StableMaps.dingMingCi.remove("");

StableMaps.dongCi.remove("");

StableMaps.fuCi.remove("");

StableMaps.jieCi.remove("");

StableMaps.lianCi.remove("");

StableMaps.liangCi.remove("");

StableMaps.mingCi.remove("");

StableMaps.qingTaiCi.remove("");

StableMaps.shengLueCi.remove("");

StableMaps.shiTaiCi.remove("");

StableMaps.weiCi.remove("");

StableMaps.xianDingCi.remove("");

StableMaps.xingRongCi.remove("");

StableMaps.xingWeiCi.remove("");

StableMaps.zhuCi.remove("");

System.out.println(StableMaps.CiOne.size());

System.out.println(StableMaps.CiTwo.size());

System.out.println(StableMaps.CiThree.size());

System.out.println(StableMaps.CiFour.size());

}

public void indexMixed() throws IOException {

studyPos= new ConcurrentHashMap<>();

posCnToCn= new ConcurrentHashMap<>();

linkedHashMap= new ConcurrentHashMap<>();

listCn= new CopyOnWriteArrayList<>();

listAb= new CopyOnWriteArrayList<>();

listKo= new CopyOnWriteArrayList<>();

listJp= new CopyOnWriteArrayList<>();

listRs= new CopyOnWriteArrayList<>();

listTt= new CopyOnWriteArrayList<>();

listEn= new CopyOnWriteArrayList<>();

listPy= new CopyOnWriteArrayList<>();

InputStream inputStream= getClass().getResourceAsStream(StablePOS.WORDS\_SOURSE\_LINK\_POS\_CN\_TO\_CN);

BufferedReader cReader= new BufferedReader(new InputStreamReader(inputStream, StablePOS.UTF8\_STRING));

InputStream inputStreamKorea= getClass().getResourceAsStream(StablePOS.WORDS\_SOURSE\_LINK\_POS\_CN\_TO\_KO);

BufferedReader cReaderKorea= new BufferedReader(new InputStreamReader(inputStreamKorea, StablePOS.UTF8\_STRING));

InputStream inputStreamJapan= getClass().getResourceAsStream(StablePOS.WORDS\_SOURSE\_LINK\_POS\_CN\_TO\_JP);

BufferedReader cReaderJapan= new BufferedReader(new InputStreamReader(inputStreamJapan, StablePOS.UTF8\_STRING));

InputStream inputStreamTrandition= getClass().getResourceAsStream(StablePOS.WORDS\_SOURSE\_LINK\_POS\_CN\_TO\_TT);

BufferedReader cReaderTrandition= new BufferedReader(new InputStreamReader(inputStreamTrandition, StablePOS.UTF8\_STRING));

InputStream inputStreamEnglish= getClass().getResourceAsStream(StablePOS.WORDS\_SOURSE\_LINK\_POS\_EN\_TO\_EN);

BufferedReader cReaderEnglish= new BufferedReader(new InputStreamReader(inputStreamEnglish, StablePOS.UTF8\_STRING));

InputStream inputStreamPinYin= getClass().getResourceAsStream(StablePOS.WORDS\_SOURSE\_LINK\_POS\_CN\_TO\_PY);

BufferedReader cReaderPinYin= new BufferedReader(new InputStreamReader(inputStreamPinYin, StablePOS.UTF8\_STRING));

InputStream inputStreamRs= getClass().getResourceAsStream(StablePOS.WORDS\_SOURSE\_LINK\_POS\_CN\_TO\_RS);

BufferedReader cReaderRs= new BufferedReader(new InputStreamReader(inputStreamRs, StablePOS.UTF8\_STRING));

InputStream inputStreamAb= getClass().getResourceAsStream(StablePOS.WORDS\_SOURSE\_LINK\_POS\_CN\_TO\_AB);

BufferedReader cReaderAb= new BufferedReader(new InputStreamReader(inputStreamAb, StablePOS.UTF8\_STRING));

String cInputString;

String cInputStringKorea;

String cInputStringJapan;

String cInputStringTrandition;

String cInputStringEnglish;

String cInputStringPinYin;

String cInputStringRs;

String cInputStringAb;

Here:

while ((cInputString = cReader.readLine()) != null) {

cInputStringKorea= cReaderKorea.readLine();

cInputStringJapan= cReaderJapan.readLine();

cInputStringTrandition= cReaderTrandition.readLine();

cInputStringEnglish= cReaderEnglish.readLine();

cInputStringPinYin= cReaderPinYin.readLine();

cInputStringRs= cReaderRs.readLine();

cInputStringAb= cReaderAb.readLine();

listCn.add(cInputString);

if(null!= cInputStringKorea) {

listKo.add(cInputStringKorea);

}

if(null!= cInputStringJapan) {

listJp.add(cInputStringJapan);

}

if(null!= cInputStringTrandition) {

listTt.add(cInputStringTrandition);

}

if(null!= cInputStringEnglish) {

listEn.add(cInputStringEnglish);

}

if(null!= cInputStringPinYin) {

listPy.add(cInputStringPinYin);

}

if(null!= cInputStringRs) {

listRs.add(cInputStringRs);

}

if(null!= cInputStringAb) {

listAb.add(cInputStringAb);

}

if(!(!cInputString.replace(StablePOS.SPACE\_STRING, StablePOS.EMPTY\_STRING).equals(StablePOS.EMPTY\_STRING)&& cInputString.split(StablePOS.NLP\_SYMBO\_SLASH).length > StablePOS.INT\_ONE )) {

continue Here;

}

if(StablePOS.INT\_ONE== cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO].length()) {

StableMaps.CiOne.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString

.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(StablePOS.INT\_TWO== cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO].length()) {

StableMaps.CiTwo.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(StablePOS.INT\_THREE== cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO].length()) {

StableMaps.CiThree.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(StablePOS.INT\_FOUR== cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO].length()) {

StableMaps.CiFour.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(!StableMaps.fuCi.containsKey(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO])&& cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE].contains(StablePOS.NLP\_CI\_FU)) {

StableMaps.fuCi.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO], cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

if(null!= cInputStringKorea) {

StableMaps.fuCi.put(cInputStringKorea.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringJapan) {

StableMaps.fuCi.put(cInputStringJapan.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringTrandition) {

StableMaps.fuCi.put(cInputStringTrandition.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringEnglish) {

StableMaps.fuCi.put(cInputStringEnglish.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

}

if(!StableMaps.dongCi.containsKey(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO])&& cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE].contains(StablePOS.NLP\_CI\_DONG)) {

StableMaps.dongCi.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO], cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

if(null!= cInputStringKorea) {

StableMaps.dongCi.put(cInputStringKorea.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringJapan) {

StableMaps.dongCi.put(cInputStringJapan.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringTrandition) {

StableMaps.dongCi.put(cInputStringTrandition.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringEnglish) {

StableMaps.dongCi.put(cInputStringEnglish.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

}

if(!StableMaps.liangCi.containsKey(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO])&& cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE].contains(StablePOS.NLP\_CI\_LIANG)) {

StableMaps.liangCi.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO], cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

if(null!= cInputStringKorea) {

StableMaps.liangCi.put(cInputStringKorea.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringJapan) {

StableMaps.liangCi.put(cInputStringJapan.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringTrandition) {

StableMaps.liangCi.put(cInputStringTrandition.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringEnglish) {

StableMaps.liangCi.put(cInputStringEnglish.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

}

if(!StableMaps.lianCi.containsKey(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO])&& cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE].contains(StablePOS.NLP\_CI\_LIAN)) {

StableMaps.lianCi.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO], cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

if(null!= cInputStringKorea) {

StableMaps.lianCi.put(cInputStringKorea.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringJapan) {

StableMaps.lianCi.put(cInputStringJapan.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringTrandition) {

StableMaps.lianCi.put(cInputStringTrandition.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringEnglish) {

StableMaps.lianCi.put(cInputStringEnglish.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

}

if(!StableMaps.baDongCi.containsKey(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO])&& cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE].contains(StablePOS.NLP\_CI\_BA\_DONG)) {

StableMaps.baDongCi.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO], cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

if(null!= cInputStringKorea) {

StableMaps.baDongCi.put(cInputStringKorea.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringJapan) {

StableMaps.baDongCi.put(cInputStringJapan.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringTrandition) {

StableMaps.baDongCi.put(cInputStringTrandition.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringEnglish) {

StableMaps.baDongCi.put(cInputStringEnglish.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

}

if(!StableMaps.xianDingCi.containsKey(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO])&& cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE].contains(StablePOS.NLP\_CI\_XIAN\_DING)) {

StableMaps.xianDingCi.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO], cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

if(null!= cInputStringKorea) {

StableMaps.xianDingCi.put(cInputStringKorea.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringJapan) {

StableMaps.xianDingCi.put(cInputStringJapan.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringTrandition) {

StableMaps.xianDingCi.put(cInputStringTrandition.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringEnglish) {

StableMaps.xianDingCi.put(cInputStringEnglish.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

}

if(!StableMaps.mingCi.containsKey(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO])&& cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE].contains(StablePOS.NLP\_CI\_MING)) {

StableMaps.mingCi.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO], cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

if(null!= cInputStringKorea) {

StableMaps.mingCi.put(cInputStringKorea.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringJapan) {

StableMaps.mingCi.put(cInputStringJapan.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringTrandition) {

StableMaps.mingCi.put(cInputStringTrandition.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringEnglish) {

StableMaps.mingCi.put(cInputStringEnglish.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

} if(!StableMaps.daiCi.containsKey(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO])&& cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE].contains(StablePOS.NLP\_CI\_DAI)) {

StableMaps.daiCi.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO], cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

if(null!= cInputStringKorea) {

StableMaps.daiCi.put(cInputStringKorea.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringJapan) {

StableMaps.daiCi.put(cInputStringJapan.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringTrandition) {

StableMaps.daiCi.put(cInputStringTrandition.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringEnglish) {

StableMaps.daiCi.put(cInputStringEnglish.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

} if(!StableMaps.jieCi.containsKey(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO])&& cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE].contains(StablePOS.NLP\_CI\_JIE)) {

StableMaps.jieCi.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO], cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

if(null!= cInputStringKorea) {

StableMaps.jieCi.put(cInputStringKorea.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringJapan) {

StableMaps.jieCi.put(cInputStringJapan.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringTrandition) {

StableMaps.jieCi.put(cInputStringTrandition.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringEnglish) {

StableMaps.jieCi.put(cInputStringEnglish.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

}

if(!StableMaps.xingRongCi.containsKey(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO])&& cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE].contains(StablePOS.NLP\_CI\_XING\_RONG)) {

StableMaps.xingRongCi.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO], cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

if(null!= cInputStringKorea) {

StableMaps.xingRongCi.put(cInputStringKorea.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringJapan) {

StableMaps.xingRongCi.put(cInputStringJapan.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringTrandition) {

StableMaps.xingRongCi.put(cInputStringTrandition.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringEnglish) {

StableMaps.xingRongCi.put(cInputStringEnglish.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

}

if(!StableMaps.zhuCi.containsKey(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO])&& cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE].contains(StablePOS.NLP\_CI\_ZHU)) {

StableMaps.zhuCi.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO], cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

if(null!= cInputStringKorea) {

StableMaps.zhuCi.put(cInputStringKorea.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringJapan) {

StableMaps.zhuCi.put(cInputStringJapan.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringTrandition) {

StableMaps.zhuCi.put(cInputStringTrandition.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringEnglish) {

StableMaps.zhuCi.put(cInputStringEnglish.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

}

if(!StableMaps.weiCi.containsKey(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO])&& cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE].contains(StablePOS.NLP\_CI\_WEI)) {

StableMaps.weiCi.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO], cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

if(null!= cInputStringKorea) {

StableMaps.weiCi.put(cInputStringKorea.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringJapan) {

StableMaps.weiCi.put(cInputStringJapan.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringTrandition) {

StableMaps.weiCi.put(cInputStringTrandition.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringEnglish) {

StableMaps.weiCi.put(cInputStringEnglish.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

} if(!StableMaps.shengLueCi.containsKey(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO])&& cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE].contains(StablePOS.NLP\_CI\_SHENG\_LUE)) {

StableMaps.shengLueCi.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO], cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

if(null!= cInputStringKorea) {

StableMaps.shengLueCi.put(cInputStringKorea.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringJapan) {

StableMaps.shengLueCi.put(cInputStringJapan.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringTrandition) {

StableMaps.shengLueCi.put(cInputStringTrandition.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringEnglish) {

StableMaps.shengLueCi.put(cInputStringEnglish.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

}

if(!StableMaps.qingTaiCi.containsKey(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO])&& cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE].contains(StablePOS.NLP\_CI\_QING\_TAI)) {

StableMaps.qingTaiCi.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO], cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

if(null!= cInputStringKorea) {

StableMaps.qingTaiCi.put(cInputStringKorea.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringJapan) {

StableMaps.qingTaiCi.put(cInputStringJapan.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringTrandition) {

StableMaps.qingTaiCi.put(cInputStringTrandition.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringEnglish) {

StableMaps.qingTaiCi.put(cInputStringEnglish.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

}

if(!StableMaps.xingWeiCi.containsKey(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO])&& cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE].contains(StablePOS.NLP\_CI\_XING\_WEI)) {

StableMaps.xingWeiCi.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO], cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

if(null!= cInputStringKorea) {

StableMaps.xingWeiCi.put(cInputStringKorea.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringJapan) {

StableMaps.xingWeiCi.put(cInputStringJapan.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringTrandition) {

StableMaps.xingWeiCi.put(cInputStringTrandition.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringEnglish) {

StableMaps.xingWeiCi.put(cInputStringEnglish.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

} if(!StableMaps.shiTaiCi.containsKey(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO])&& cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE].contains(StablePOS.NLP\_CI\_SHI\_TAI)) {

StableMaps.shiTaiCi.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO], cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

if(null!= cInputStringKorea) {

StableMaps.shiTaiCi.put(cInputStringKorea.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringJapan) {

StableMaps.shiTaiCi.put(cInputStringJapan.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringTrandition) {

StableMaps.shiTaiCi.put(cInputStringTrandition.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringEnglish) {

StableMaps.shiTaiCi.put(cInputStringEnglish.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

} if(!StableMaps.dingMingCi.containsKey(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO])&& cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE].contains(StablePOS.NLP\_CI\_DING\_MING)) {

StableMaps.dingMingCi.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO], cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

if(null!= cInputStringKorea) {

StableMaps.dingMingCi.put(cInputStringKorea.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringJapan) {

StableMaps.dingMingCi.put(cInputStringJapan.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringTrandition) {

StableMaps.dingMingCi.put(cInputStringTrandition.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringEnglish) {

StableMaps.dingMingCi.put(cInputStringEnglish.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

} studyPos.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO], cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

posCnToCn.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO], cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

linkedHashMap = loopLoadForest(cInputString);

if(null!= cInputStringKorea) {

posCnToCn.put(cInputStringKorea.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO], cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

linkedHashMap = loopLoadForest(cInputStringKorea);

}

if(null!= cInputStringJapan) { if(!posCnToCn.containsKey(cInputStringJapan.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO])) {

posCnToCn.put(cInputStringJapan.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO],cInputStringJapan

.split(StablePOS.NLP\_SYMBO\_SLASH).length> StablePOS.INT\_ONE?cInputStringJapan

.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]:"δ֪");

linkedHashMap = loopLoadForest(cInputStringJapan);

}

}

if(null!= cInputStringTrandition) {

if(!posCnToCn.containsKey(cInputStringTrandition.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO])) {

posCnToCn.put(cInputStringTrandition.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO], cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

linkedHashMap = loopLoadForest(cInputStringTrandition);

}

}

if(null!= cInputStringEnglish) {

posCnToCn.put(cInputStringEnglish.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO].toLowerCase(), cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringRs) {

posCnToCn.put(cInputStringRs.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO].toLowerCase()

, cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(null!= cInputStringAb) {

posCnToCn.put(cInputStringAb.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO].toLowerCase()

, cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

}

cReader.close();

cReaderKorea.close();

cReaderJapan.close();

cReaderTrandition.close();

cReaderEnglish.close();

cReaderPinYin.close();

cReaderRs.close();

cReaderAb.close();

//trim

StableMaps.baDongCi.remove("");

StableMaps.daiCi.remove("");

StableMaps.dingMingCi.remove("");

StableMaps.dongCi.remove("");

StableMaps.fuCi.remove("");

StableMaps.jieCi.remove("");

StableMaps.lianCi.remove("");

StableMaps.liangCi.remove("");

StableMaps.mingCi.remove("");

StableMaps.qingTaiCi.remove("");

StableMaps.shengLueCi.remove("");

StableMaps.shiTaiCi.remove("");

StableMaps.weiCi.remove("");

StableMaps.xianDingCi.remove("");

StableMaps.xingRongCi.remove("");

StableMaps.xingWeiCi.remove("");

StableMaps.zhuCi.remove("");

System.out.println(StableMaps.CiOne.size());

System.out.println(StableMaps.CiTwo.size());

System.out.println(StableMaps.CiThree.size());

System.out.println(StableMaps.CiFour.size());

}

public void index() throws IOException {

posCnToCn= new ConcurrentHashMap<>();

linkedHashMap= new ConcurrentHashMap<>();

listCn= new CopyOnWriteArrayList<>();

InputStream inputStream= getClass().getResourceAsStream(StablePOS.WORDS\_SOURSE\_LINK\_POS\_CN\_TO\_CN);

BufferedReader cReader= new BufferedReader(new InputStreamReader(inputStream, StablePOS.UTF8\_STRING));

String cInputString;

Here:

while ((cInputString = cReader.readLine()) != null) {

listCn.add(cInputString);

if(!(!cInputString.replace(StablePOS.SPACE\_STRING, StablePOS.EMPTY\_STRING).equals(StablePOS.EMPTY\_STRING)&& cInputString.split(StablePOS.NLP\_SYMBO\_SLASH).length > StablePOS.INT\_ONE )) {

continue Here;

}

if(!StableMaps.fuCi.containsKey(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO])&& cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE].contains(StablePOS.NLP\_CI\_FU)) {

StableMaps.fuCi.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO], cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(!StableMaps.dongCi.containsKey(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO])&& cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE].contains(StablePOS.NLP\_CI\_DONG)) {

StableMaps.dongCi.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO], cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(!StableMaps.liangCi.containsKey(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO])&& cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE].contains(StablePOS.NLP\_CI\_LIANG)) {

StableMaps.liangCi.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO], cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(!StableMaps.lianCi.containsKey(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO])&& cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE].contains(StablePOS.NLP\_CI\_LIAN)) {

StableMaps.lianCi.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO], cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(!StableMaps.baDongCi.containsKey(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO])&& cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE].contains(StablePOS.NLP\_CI\_BA\_DONG)) {

StableMaps.baDongCi.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO], cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(!StableMaps.xianDingCi.containsKey(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO])&& cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE].contains(StablePOS.NLP\_CI\_XIAN\_DING)) {

StableMaps.xianDingCi.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO], cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(!StableMaps.mingCi.containsKey(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO])&& cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE].contains(StablePOS.NLP\_CI\_MING)) {

StableMaps.mingCi.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO], cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(!StableMaps.daiCi.containsKey(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO])&& cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE].contains(StablePOS.NLP\_CI\_DAI)) {

StableMaps.daiCi.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO], cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(!StableMaps.jieCi.containsKey(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO])&& cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE].contains(StablePOS.NLP\_CI\_JIE)) {

StableMaps.jieCi.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO], cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(!StableMaps.xingRongCi.containsKey(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO])&& cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE].contains(StablePOS.NLP\_CI\_XING\_RONG)) {

StableMaps.xingRongCi.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO], cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(!StableMaps.zhuCi.containsKey(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO])&& cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE].contains(StablePOS.NLP\_CI\_ZHU)) {

StableMaps.zhuCi.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO], cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(!StableMaps.weiCi.containsKey(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO])&& cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE].contains(StablePOS.NLP\_CI\_WEI)) {

StableMaps.weiCi.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO], cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(!StableMaps.shengLueCi.containsKey(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO])&& cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE].contains(StablePOS.NLP\_CI\_SHENG\_LUE)) {

StableMaps.shengLueCi.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO], cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(!StableMaps.qingTaiCi.containsKey(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO])&& cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE].contains(StablePOS.NLP\_CI\_QING\_TAI)) {

StableMaps.qingTaiCi.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO], cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(!StableMaps.xingWeiCi.containsKey(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO])&& cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE].contains(StablePOS.NLP\_CI\_XING\_WEI)) {

StableMaps.xingWeiCi.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO], cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(!StableMaps.shiTaiCi.containsKey(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO])&& cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE].contains(StablePOS.NLP\_CI\_SHI\_TAI)) {

StableMaps.shiTaiCi.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO], cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

if(!StableMaps.dingMingCi.containsKey(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO])&& cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE].contains(StablePOS.NLP\_CI\_DING\_MING)) {

StableMaps.dingMingCi.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO], cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

posCnToCn.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO], cInputString

.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

linkedHashMap = loopLoadForest(cInputString);

}

cReader.close();

}

public void indexFullEnToCn() throws IOException {

Iterator<String> listcc= listCn.iterator();

Iterator<String> listee= listEn.iterator();

fullEnToCn= new HashMap<>();

while(listcc.hasNext()&&listee.hasNext()) {

fullEnToCn.put(listee.next().split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO].toLowerCase()

listcc.next().split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO]);

}

}

public void indexFullCnToEn() throws IOException {

Iterator<String> listcc= listCn.iterator();

Iterator<String> listee= listEn.iterator();

fullCnToEn = new HashMap<>();

while(listcc.hasNext()&&listee.hasNext()) {

fullCnToEn.put(listcc.next().split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO]

listee.next().split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO].toLowerCase());

}

}

public void indexFullCnToFn() throws IOException {

Iterator<String> listcc= listCn.iterator();

Iterator<String> listfn= listFn.iterator();

fullCnToFn = new HashMap<>();

while(listcc.hasNext()&&listfn.hasNext()) {

fullCnToFn.put(listcc.next().split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO]

, listfn.next().split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO].toLowerCase());

}

}

public void indexFullCnToKo() throws IOException {

Iterator<String> listcc= listCn.iterator();

Iterator<String> listko= listKo.iterator();

fullCnToKo = new HashMap<>();

while(listcc.hasNext()&&listko.hasNext()) {

fullCnToKo.put(listcc.next().split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO]

, listko.next().split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO].toLowerCase());

}

}

public void indexFullCnToJp() throws IOException {

Iterator<String> listcc= listCn.iterator();

Iterator<String> listjp= listJp.iterator();

fullCnToJp = new HashMap<>();

while(listcc.hasNext()&&listjp.hasNext()) {

fullCnToJp.put(listcc.next().split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO]

istjp.next().split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO].toLowerCase());

}

}

public void indexFullCnToGm() throws IOException {

Iterator<String> listcc= listCn.iterator();

Iterator<String> listgm= listEn.iterator();

fullCnToGm = new HashMap<>();

while(listcc.hasNext()&&listgm.hasNext()) {

fullCnToGm.put(listcc.next().split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO]

listgm.next().split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO].toLowerCase());

}

}

public void indexFullCnToSp() throws IOException {

Iterator<String> listcc= listCn.iterator();

Iterator<String> listsp= listSp.iterator();

fullCnToSp = new HashMap<>();

while(listcc.hasNext()&&listsp.hasNext()) {

fullCnToSp.put(listcc.next().split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO]

, listsp.next().split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO].toLowerCase());

}

}

public void indexFullCnToRs() throws IOException {

Iterator<String> listcc= listCn.iterator();

Iterator<String> listrs= listRs.iterator();

fullCnToRs = new HashMap<>();

while(listcc.hasNext()&&listrs.hasNext()) {

fullCnToRs.put(listcc.next().split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO]

listrs.next().split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO].toLowerCase());

}

}

public void indexFullCnToAb() throws IOException {

Iterator<String> listcc= listCn.iterator();

Iterator<String> listab= listAb.iterator();

fullCnToAb = new HashMap<>();

while(listcc.hasNext()&&listab.hasNext()) {

fullCnToAb.put(listcc.next().split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO]

listab.next().split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO].toLowerCase());

}

}

public void indexFullCnToPy() throws IOException {

Iterator<String> listcc= listCn.iterator();

Iterator<String> listpy= listPy.iterator();

fullCnToPy = new HashMap<>();

while(listcc.hasNext()&&listpy.hasNext()) {

fullCnToPy.put(listcc.next().split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO]

listpy.next().split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO].toLowerCase());

}

}

public void indexFullCnToTt() throws IOException {

Iterator<String> listcc= listCn.iterator();

Iterator<String> listtt= listTt.iterator();

fullCnToTt = new HashMap<>();

while(listcc.hasNext()&&listtt.hasNext()) {

fullCnToTt.put(listcc.next().split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO]

listtt.next().split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO].toLowerCase());

}

}

public Map<String, String> getFullEnToCn() {

return this.fullEnToCn;

}

public Map<String, String> getFullCnToEn() {

return this.fullCnToEn;

}

public void indexPosEnToCn() throws IOException {

posEnToCn= new HashMap<>();

InputStream in= getClass().getResourceAsStream(StablePOS.WORDS\_SOURSE\_LINK\_POS\_EN\_TO\_CN);

BufferedReader cReader = new BufferedReader(new InputStreamReader(in, StablePOS.UTF8\_STRING));

String cInputString;

Here:

while (null!= (cInputString= cReader.readLine())) {

if(!(!cInputString.replace(StablePOS.SPACE\_STRING, StablePOS.EMPTY\_STRING).equals(StablePOS.EMPTY\_STRING)&& cInputString.split(StablePOS.NLP\_SYMBO\_SLASH).length > StablePOS.INT\_ONE )) {

continue Here;

}

posEnToCn.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO].toLowerCase(), cInputString

.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

cReader.close();

}

public void indexFn() throws IOException {

listFn= new CopyOnWriteArrayList<>();

InputStream in= getClass().getResourceAsStream(StablePOS.WORDS\_SOURSE\_LINK\_POS\_CN\_TO\_FN);

BufferedReader cReader= new BufferedReader(new InputStreamReader(in, StablePOS.UTF8\_STRING));

String cInputString;

while (null!= (cInputString= cReader.readLine())) {

listFn.add(cInputString);

}

cReader.close();

}

public void indexKo() throws IOException {

listKo = new CopyOnWriteArrayList<>();

InputStream in = getClass().getResourceAsStream(StablePOS.WORDS\_SOURSE\_LINK\_POS\_CN\_TO\_KO);

BufferedReader cReader = new BufferedReader(new InputStreamReader(in, StablePOS.UTF8\_STRING));

String cInputString;

while (null!= (cInputString = cReader.readLine())) {

listKo.add(cInputString);

}

cReader.close();

}

public void indexJp() throws IOException {

listJp = new CopyOnWriteArrayList<>();

InputStream in = getClass().getResourceAsStream(StablePOS.WORDS\_SOURSE\_LINK\_POS\_CN\_TO\_JP);

BufferedReader cReader = new BufferedReader(new InputStreamReader(in, StablePOS.UTF8\_STRING));

String cInputString;

while (null!= (cInputString = cReader.readLine())) {

listJp.add(cInputString);

}

cReader.close();

}

public void indexGm() throws IOException {

listGm = new CopyOnWriteArrayList<>();

InputStream in = getClass().getResourceAsStream(StablePOS.WORDS\_SOURSE\_LINK\_POS\_CN\_TO\_GM);

BufferedReader cReader = new BufferedReader(new InputStreamReader(in, StablePOS.UTF8\_STRING));

String cInputString;

while (null!= (cInputString = cReader.readLine())) {

listGm.add(cInputString);

}

cReader.close();

}

public void indexSp() throws IOException {

listSp = new CopyOnWriteArrayList<>();

InputStream in = getClass().getResourceAsStream(StablePOS.WORDS\_SOURSE\_LINK\_POS\_CN\_TO\_SP);

BufferedReader cReader = new BufferedReader(new InputStreamReader(in, StablePOS.UTF8\_STRING));

String cInputString;

while (null!= (cInputString = cReader.readLine())) {

listSp.add(cInputString);

}

cReader.close();

}

public void indexAb() throws IOException {

listAb = new CopyOnWriteArrayList<>();

InputStream in = getClass().getResourceAsStream(StablePOS.WORDS\_SOURSE\_LINK\_POS\_CN\_TO\_AB);

BufferedReader cReader = new BufferedReader(new InputStreamReader(in, StablePOS.UTF8\_STRING));

String cInputString;

while (null!= (cInputString = cReader.readLine())) {

listAb.add(cInputString);

}

cReader.close();

}

public void indexRs() throws IOException {

listRs = new CopyOnWriteArrayList<>();

InputStream in = getClass().getResourceAsStream(StablePOS.WORDS\_SOURSE\_LINK\_POS\_CN\_TO\_RS);

BufferedReader cReader = new BufferedReader(new InputStreamReader(in, StablePOS.UTF8\_STRING));

String cInputString;

while (null!= (cInputString = cReader.readLine())) {

listRs.add(cInputString);

}

cReader.close();

}

public void indexPy() throws IOException {

listPy = new CopyOnWriteArrayList<>();

InputStream in = getClass().getResourceAsStream(StablePOS.WORDS\_SOURSE\_LINK\_POS\_CN\_TO\_PY);

BufferedReader cReader = new BufferedReader(new InputStreamReader(in, StablePOS.UTF8\_STRING));

String cInputString;

while (null!= (cInputString = cReader.readLine())) {

listPy.add(cInputString);

}

cReader.close();

}

public void indexTt() throws IOException {

listTt = new CopyOnWriteArrayList<>();

InputStream in = getClass().getResourceAsStream(StablePOS.WORDS\_SOURSE\_LINK\_POS\_CN\_TO\_TT);

BufferedReader cReader = new BufferedReader(new InputStreamReader(in, StablePOS.UTF8\_STRING));

String cInputString;

while (null!= (cInputString = cReader.readLine())) {

listTt.add(cInputString);

}

cReader.close();

}

public void indexPosEnToEn() throws IOException {

posEnToEn = new HashMap<>();

listEn = new CopyOnWriteArrayList<>();

InputStream in = getClass().getResourceAsStream(StablePOS.WORDS\_SOURSE\_LINK\_POS\_EN\_TO\_EN);

BufferedReader cReader = new BufferedReader(new InputStreamReader(in, StablePOS.UTF8\_STRING));

String cInputString;

Here:

while (null!= (cInputString = cReader.readLine())) {

listEn.add(cInputString);

if(!(!cInputString.replace(StablePOS.SPACE\_STRING, StablePOS.EMPTY\_STRING).equals(StablePOS.EMPTY\_STRING)&& cInputString.split(StablePOS.NLP\_SYMBO\_SLASH).length > StablePOS.INT\_ONE )) {

continue Here;

}

posEnToEn.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO].toLowerCase(), cInputString

.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE].toLowerCase());

}

cReader.close();

}

public void indexEnToCn() throws IOException {

enToCn = new HashMap<>();

InputStream in = getClass().getResourceAsStream(StablePOS.WORDS\_SOURSE\_LINK\_EN\_TO\_CN);

BufferedReader cReader = new BufferedReader(new InputStreamReader(in, StablePOS.UTF8\_STRING));

String cInputString;

Here:

while (null!= (cInputString = cReader.readLine())) {

if(!(!cInputString.replace(StablePOS.SPACE\_STRING, StablePOS.EMPTY\_STRING).equals(StablePOS.EMPTY\_STRING)&& cInputString.split(StablePOS.NLP\_SYMBO\_SLASH).length > StablePOS.INT\_ONE )) {

continue Here;

}

enToCn.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO].toLowerCase(), cInputString

.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

}

cReader.close();

}

public void indexCnToEn() throws IOException {

cnToEn = new HashMap<>();

InputStream in = getClass().getResourceAsStream(StablePOS.WORDS\_SOURSE\_LINK\_CN\_TO\_EN);

BufferedReader cReader = new BufferedReader(new InputStreamReader(in, StablePOS.UTF8\_STRING));

String cInputString;

Here:

while (null!= (cInputString = cReader.readLine())) {

if(!(!cInputString.replace(StablePOS.SPACE\_STRING, StablePOS.EMPTY\_STRING).equals(StablePOS.EMPTY\_STRING)&& cInputString.split(StablePOS.NLP\_SYMBO\_SLASH).length > StablePOS.INT\_ONE )) {

continue Here;

}

cnToEn.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO], cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE].toLowerCase());

}

cReader.close();

}

public Map<Long, FMHMMNode> loopLoadForest(String cInputString) {

Here:

for (int i = StablePOS.INT\_ZERO; i < cInputString.length(); i++) {

if (linkedHashMap.containsKey(Long.valueOf(cInputString.charAt(i)))) {

FMHMMNode fHHMMNode = linkedHashMap.get(Long.valueOf(cInputString.charAt(i)));

linkedHashMap = doNeroPostCognitive(fHHMMNode, cInputString, i);

continue Here;

}

FMHMMNode fHHMMNode = new FMHMMNode();

fHHMMNode.I\_Vb(StablePOS.EMPTY\_STRING + cInputString.charAt(i));

if (i + StablePOS.INT\_ONE < cInputString.length()) {

Map<String, Integer> next = new HashMap<>();

next.put(StablePOS.EMPTY\_STRING + cInputString.charAt(i + StablePOS.INT\_ONE), StablePOS.INT\_ONE);

fHHMMNode.I\_Next(next);

}

linkedHashMap.put(Long.valueOf(cInputString.charAt(i)), fHHMMNode);

}

return linkedHashMap;

}

public Map<Long, FMHMMNode> doNeroPostCognitive(FMHMMNode fFHMMNode, String cInputString, int i) {

if (null!= fFHMMNode.getNext()) {

if (i + StablePOS.INT\_ONE < cInputString.length()) {

linkedHashMap = doCheckAndRunNeroPostFix(fFHMMNode, cInputString, i);

}

return linkedHashMap;

}

HashMap<String, Integer> HashMap = new HashMap<>();

if (i + StablePOS.INT\_ONE < cInputString.length()) {

HashMap.put(StablePOS.EMPTY\_STRING + cInputString.charAt(i + StablePOS.INT\_ONE)

,StablePOS.INT\_ONE);

}

fFHMMNode.I\_Next(HashMap);

linkedHashMap.put(Long.valueOf(cInputString.charAt(i)), fFHMMNode);

return linkedHashMap;

}

public Map<Long, FMHMMNode> doCheckAndRunNeroPostFix(FMHMMNode fFHMMNode, String cInputString, int i) {

if (!fFHMMNode.getNext().containsKey(StablePOS.EMPTY\_STRING + cInputString.charAt(i + StablePOS.INT\_ONE))) {

Map<String, Integer> map = fFHMMNode.getNext();

map.put(StablePOS.EMPTY\_STRING + cInputString.charAt(i + StablePOS.INT\_ONE), StablePOS.INT\_ONE);

fFHMMNode.I\_Next(map);

linkedHashMap.put(Long.valueOf(cInputString.charAt(i)), fFHMMNode);

}

return linkedHashMap;

}

public Map<String, String> getPosCnToCn() {

return this.posCnToCn;

}

public Map<String, String> getEnToCn() {

return enToCn;

}

public Map<String, String> getCnToEn() {

return cnToEn;

}

public Map<String, String> getPosEnToCn() {

return this.posEnToCn;

}

public Map<String, String> getPosEnToEn() {

return this.posEnToEn;

}

// if((string.charAt(i)> StableData.INT\_SIXTY\_FOUR && string.charAt(i)<= StableData.INT\_NINTY)

// ||(string.charAt(i)>= StableData.INT\_NINTY\_SEVEN && string.charAt(i)<= StableData.INT\_ONE\_TWO\_TWO)

// ||symbol.contains(StableData.EMPTY\_STRING+ string.charAt(i)) {

//sb.append(string.charAt(i));

//}else {

//list.add(sb.toString().toLowerCase());

//sb.delete(StableData.INT\_ZERO, sb.length());

//list.add(String.valueOf(string.charAt(i)));

//}

public List<String> englishStringToWordsList(String string) {

List<String> list= new LinkedList<>();

string= string.replaceAll(StablePOS.NLP\_SPASE\_REP, StablePOS.SPACE\_STRING);

StringBuilder sb= new StringBuilder();

for(int i= 0; i< string.length(); i++) {

if(StopSymbol\_UTF8.symbol.contains(StablePOS.EMPTY\_STRING+ string.charAt(i))) {

list.add(sb.toString().toLowerCase());

sb.delete(StablePOS.INT\_ZERO, sb.length());

list.add(String.valueOf(string.charAt(i)));

}else {

sb.append(string.charAt(i));

}

}

if(StablePOS.INT\_ZERO< sb.length()) {

list.add(sb.toString().toLowerCase());

}

return list;

}

public Map<String, String> getFullCnToJp() {

return this.fullCnToJp;

}

public Map<String, String> getFullCnToRs() {

return this.fullCnToRs;

}

public Map<String, String> getFullCnToAb() {

return this.fullCnToAb;

}

public Map<String, String> getFullCnToFn() {

return this.fullCnToFn;

}

public Map<String, String> getFullCnToGm() {

return this.fullCnToGm;

}

public Map<String, String> getFullCnToKo() {

return this.fullCnToKo;

}

public Map<String, String> getFullCnToSp() {

return this.fullCnToSp;

}

public Map<String, String> getFullCnToPy() {

this.fullCnToPy.put("鼋", "yuan");

this.fullCnToPy.put("鹑", "chun");

this.fullCnToPy.put("鸲鹆", "qu yu");

this.fullCnToPy.put("鲚鱼", "ji yu");

this.fullCnToPy.put("鲎", "hou");

this.fullCnToPy.put("醍醐", "ti hu");

this.fullCnToPy.put("豹", "bao");

this.fullCnToPy.put("蟅", "zhe");

this.fullCnToPy.put("蛴螬", "qi cao");

this.fullCnToPy.put("蘹", "huai");

this.fullCnToPy.put("堇", "jin");

this.fullCnToPy.put("檗", "bo");

this.fullCnToPy.put("濮", "pu");

this.fullCnToPy.put("稆", "lv");

this.fullCnToPy.put("穬", "kuang");

this.fullCnToPy.put("箘", "jun");

this.fullCnToPy.put("芰", "ji");

this.fullCnToPy.put("茨菰", "ci gu");

this.fullCnToPy.put("荏", "ren");

this.fullCnToPy.put("荛", "rao");

this.fullCnToPy.put("菉", "lu");

this.fullCnToPy.put("菘", "song");

this.fullCnToPy.put("蕺", "ji");

this.fullCnToPy.put("蘩蒌", "fan cai");

return this.fullCnToPy;

}

public Map<String, String> getFullCnToTt() {

return this.fullCnToTt;

}

public void indexFullNegative() throws IOException {

fullNegative= new HashMap<>();

InputStream in= getClass().getResourceAsStream(StablePOS.WORDS\_SOURSE\_LINK\_POS\_NEGATIVE);

BufferedReader cReader= new BufferedReader(new InputStreamReader(in, StablePOS.UTF8\_STRING));

String cInputString;

while (null!= (cInputString= cReader.readLine())) {

if(!fullNegative.containsKey(cInputString)) {

fullNegative.put(cInputString, StablePOS.EMPTY\_STRING);

}

}

cReader.close();

}

public void indexFullPositive() throws IOException {

fullPositive= new HashMap<>();

InputStream in= getClass().getResourceAsStream(StablePOS.WORDS\_SOURSE\_LINK\_POS\_POSITIVE);

BufferedReader cReader= new BufferedReader(new InputStreamReader(in, StablePOS.UTF8\_STRING));

String cInputString;

while (null!= (cInputString= cReader.readLine())) {

if(!fullPositive.containsKey(cInputString)) {

fullPositive.put(cInputString, StablePOS.EMPTY\_STRING);

}

}

cReader.close();

}

public Map<String, String> getFullNegative() {

return this.fullNegative;

}

public Map<String, String> getFullPositive() {

return this.fullPositive;

}

@Override

public Map<Long, Map<String, String>> getWordsForests() {

Map<Long, Map<String, String>> output= new HashMap<>();

Iterator<String> WordTree= posCnToCn.keySet().iterator();

while(WordTree.hasNext()){

String treeName= WordTree.next();

if(0<treeName.length()) {

Map<String, String> treeLeafs;

if(output.containsKey(Long.valueOf(treeName.charAt(StablePOS.INT\_ZERO)))){

treeLeafs= output.get(Long.valueOf(treeName.charAt(StablePOS.INT\_ZERO)));

treeLeafs.put(treeName, posCnToCn.get(treeName));

output.put(Long.valueOf(treeName.charAt(StablePOS.INT\_ZERO)), treeLeafs);

}else {

treeLeafs= new HashMap<>();

}

treeLeafs.put(treeName, posCnToCn.get(treeName));

output.put(Long.valueOf(treeName.charAt(StablePOS.INT\_ZERO)), treeLeafs); }

}

return output;

}

public void studyNewPos(String string, String posStudy) {

posCnToCn.put(string, posStudy);

}

@Override

public Map<String, String> getStudyPos() {

return this.studyPos;

}

}

FMHMMListImp, 隐马尔可夫类

package OEI.SVQ.MPC.fhmm.E;

import java.io.BufferedReader;

import java.io.IOException;

import java.io.InputStream;

import java.io.InputStreamReader;

import java.util.List;

import java.util.Map;

import java.util.concurrent.ConcurrentHashMap;

import AVQ.ASQ.OVQ.OSQ.VSQ.obj.FMHMMNode;

import SVQ.stable.StablePOS;

import OCI.SVQ.MPC.fhmm.C.FMHMMList;

import OEI.ME.euclid.E.Euclid\_CE;

public class FMHMMList\_E implements FMHMMList {

private Map<String, String> words;

private Map<Long, FMHMMNode> linkedHashMap;

@SuppressWarnings(StablePOS.RAW\_TYPES)

private Map<Integer, Map> linkedHashMapRoot;

@SuppressWarnings(StablePOS.RAW\_TYPES)

public Map<Integer, Map> getRoot() {

return this.linkedHashMapRoot;

}

public void index() throws IOException {

words= new ConcurrentHashMap<>();

linkedHashMap= new ConcurrentHashMap<>();

linkedHashMapRoot= new ConcurrentHashMap<>();

InputStream inputStream= getClass().getResourceAsStream(StablePOS.WORDS\_SOURSE\_LINK\_POS\_CN\_TO\_CN);

BufferedReader cReader= new BufferedReader(new InputStreamReader(inputStream, StablePOS.UTF8\_STRING));

String cInputString;

Here:

while ((cInputString = cReader.readLine()) != null) {

if(!(!cInputString.replace(StablePOS.SPACE\_STRING, StablePOS.EMPTY\_STRING).equals(StablePOS.EMPTY\_STRING)&& cInputString.split(StablePOS.NLP\_SYMBO\_SLASH).length > StablePOS.INT\_ONE )) {

continue Here;

}

words.put(cInputString.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ZERO], cInputString

.split(StablePOS.NLP\_SYMBO\_SLASH)[StablePOS.INT\_ONE]);

linkedHashMap = loopLoadForest(cInputString);

}

cReader.close();

linkedHashMapRoot = new Euclid\_CE().mCogsEuclid(linkedHashMap);

}

public Map<Long, FMHMMNode> loopLoadForest(String cInputString) {

Here:

for (int i = StablePOS.INT\_ZERO; i < cInputString.length(); i++) {

if (linkedHashMap.containsKey(Long.valueOf(cInputString.charAt(i)))) {

FMHMMNode fHHMMNode = linkedHashMap.get(Long.valueOf(cInputString.charAt(i)));

linkedHashMap = doNeroPostCognitive(fHHMMNode, cInputString, i);

continue Here;

} else {

FMHMMNode fHHMMNode = new FMHMMNode();

fHHMMNode.I\_Vb(StablePOS.EMPTY\_STRING + cInputString.charAt(i));

if (i + StablePOS.INT\_ONE < cInputString.length()) {

Map<String, Integer> next = new ConcurrentHashMap<>();

next.put(StablePOS.EMPTY\_STRING + cInputString.charAt(i + StablePOS.INT\_ONE), StablePOS.INT\_ONE);

fHHMMNode.I\_Next(next);

}

linkedHashMap.put(Long.valueOf(cInputString.charAt(i)), fHHMMNode);

}

}

return linkedHashMap;

}

public Map<Long, FMHMMNode> doNeroPostCognitive(FMHMMNode fFHMMNode, String cInputString, int i) {

if (fFHMMNode.getNext() != null) {

if (i + StablePOS.INT\_ONE < cInputString.length()) {

linkedHashMap = doCheckAndRunNeroPostFix(fFHMMNode, cInputString, i);

}

} else {

ConcurrentHashMap<String, Integer> concurrentHashMap = new ConcurrentHashMap<>();

if (i + StablePOS.INT\_ONE < cInputString.length()) {

concurrentHashMap.put(StablePOS.EMPTY\_STRING + cInputString.charAt(i + StablePOS.INT\_ONE),

StablePOS.INT\_ONE);

}

fFHMMNode.I\_Next(concurrentHashMap);

linkedHashMap.put(Long.valueOf(cInputString.charAt(i)), fFHMMNode);

}

return linkedHashMap;

}

public Map<Long, FMHMMNode> doCheckAndRunNeroPostFix(FMHMMNode fFHMMNode, String cInputString, int i) {

if (!fFHMMNode.getNext().containsKey(StablePOS.EMPTY\_STRING + cInputString.charAt(i + StablePOS.INT\_ONE))) {

Map<String, Integer> map = fFHMMNode.getNext();

map.put(StablePOS.EMPTY\_STRING + cInputString.charAt(i + StablePOS.INT\_ONE), StablePOS.INT\_ONE);

fFHMMNode.I\_Next(map);

linkedHashMap.put(Long.valueOf(cInputString.charAt(i)), fFHMMNode);

}

return linkedHashMap;

}

public Map<String, String> getWords() {

return this.words;

}

public Map<Long, FMHMMNode> getMap() {

return this.linkedHashMap;

}

public Map<String, String> getPosEnToEn() {

return null;

}

public Map<String, String> getEnToCn() {

return null;

}

public Map<String, String> getCnToEn() {

return null;

}

public void indexEnToCn() throws IOException {

}

public void indexCnToEn() throws IOException {

}

public Map<String, String> getPosEnToCn() {

return null;

}

public Map<String, String> getPosCnToCn() {

return null;

}

public void indexPosEnToCn() throws IOException {

}

public void indexPosEnToEn() throws IOException {

}

public void indexPosCnToEn() throws IOException {

}

public Map<String, String> getPosCnToEn() {

return null;

}

public void indexFullEnToCn() throws IOException {

}

public void indexFullCnToEn() throws IOException {

}

public Map<String, String> getFullEnToCn() {

return null;

}

public Map<String, String> getFullCnToEn() {

return null;

}

@Override

public List<String> englishStringToWordsList(String string) {

return null;

}

@Override

public void indexFullCnToJp() throws IOException {

}

@Override

public void indexFullCnToRs() throws IOException {

}

@Override

public void indexFullCnToAb() throws IOException {

}

@Override

public void indexFullCnToFn() throws IOException {

}

@Override

public void indexFullCnToGm() throws IOException {

}

@Override

public void indexFullCnToKo() throws IOException {

}

@Override

public void indexFullCnToSp() throws IOException {

}

@Override

public void indexFullCnToPy() throws IOException {

}

@Override

public Map<String, String> getFullCnToJp() {

return null;

}

@Override

public Map<String, String> getFullCnToRs() {

return null;

}

@Override

public Map<String, String> getFullCnToAb() {

return null;

}

@Override

public Map<String, String> getFullCnToFn() {

return null;

}

@Override

public Map<String, String> getFullCnToGm() {

return null;

}

@Override

public Map<String, String> getFullCnToKo() {

return null;

}

@Override

public Map<String, String> getFullCnToSp() {

return null;

}

@Override

public Map<String, String> getFullCnToPy() {

return null;

}

@Override

public void indexFullNegative() throws IOException {

}

@Override

public void indexFullPositive() throws IOException {

}

@Override

public Map<String, String> getFullNegative() {

return null;

}

@Override

public Map<String, String> getFullPositive() {

return null;

}

@Override

public Map<Long, FMHMMNode>[] getMaps() {

return null;

}

@Override

public Map<Long, Map<String, String>> getWordsForests() {

return null;

}

@Override

public void indexMixed() throws IOException {

}

@Override

public void studyNewPos(String string, String posStudy) {

}

@Override

public Map<String, String> getStudyPos() {

return null;

}

@Override

public Map<String, String> getFullCnToTt() {

return null;

}

@Override

public void indexFullCnToTt() throws IOException {

}

@Override

public void indexAll() throws IOException {

}

}

POSControllerImp, 语义处理类

package OEI.ME.pos.E;

import java.util.List;

import java.util.Map;

import AVQ.ASQ.OVQ.OSQ.VSQ.obj.WordFrequency;

import SVQ.stable.StablePOS;

import SVQ.stable.StableMaps;

import OCI.ME.pos.C.POS\_C;

public class POS\_CE implements POS\_C{

public int chuLiBaDongCiOfTwo(Map<String, String> wordsForest, List<String> outputList, int countInputStringLength,

String[] strings, StringBuilder[] prefixWord){

if (!wordsForest.containsKey(prefixWord[StablePOS.INT\_ZERO].toString())){

return countInputStringLength;

}

if (StableMaps.daiCi.containsKey(prefixWord[StablePOS.INT\_ZERO].toString())

||StableMaps.fuCi.containsKey(prefixWord[StablePOS.INT\_ZERO].toString())) {

countInputStringLength = parserFirstCharOfTwo(countInputStringLength, outputList, strings, prefixWord);

return countInputStringLength;

}

if (StableMaps.CiTwo.containsKey(strings[StablePOS.INT\_ONE])){

outputList.add(strings[StablePOS.INT\_ONE]);

prefixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, prefixWord[StablePOS.INT\_ZERO].length());

prefixWord[StablePOS.INT\_ZERO].append(strings[StablePOS.INT\_ONE]);

return countInputStringLength;

}

return countInputStringLength- StablePOS.INT\_TWO;

}

public int chuLiMingCiOfTwo(Map<String, String> wordsForest, List<String> outputList, int countInputStringLength

, String[] strings, StringBuilder[] fixWord, int charPosition, String inputString){

if (wordsForest.containsKey(fixWord[StablePOS.INT\_ZERO].toString())){

if (StableMaps.liangCi.containsKey(fixWord[StablePOS.INT\_ZERO].toString())){

countInputStringLength= parserFirstCharOfTwo(countInputStringLength, outputList, strings, fixWord);

return countInputStringLength;

}

if (StableMaps.dongCi.containsKey(fixWord[StablePOS.INT\_ZERO].toString())

||StableMaps.xingRongCi.containsKey(fixWord[StablePOS.INT\_ZERO].toString())

||StableMaps.mingCi.containsKey(fixWord[StablePOS.INT\_ZERO].toString())

||StableMaps.zhuCi.containsKey(fixWord[StablePOS.INT\_ZERO].toString())

||StableMaps.liangCi.containsKey(fixWord[StablePOS.INT\_ZERO].toString())){

if(StableMaps.CiTwo.containsKey(strings[StablePOS.INT\_ONE])) {

fixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, fixWord[StablePOS.INT\_ZERO].length());

fixWord[StablePOS.INT\_ZERO].append(strings[StablePOS.INT\_ONE]);

outputList.add(strings[StablePOS.INT\_ONE]);

return countInputStringLength;

}

countInputStringLength= parserFirstCharOfTwo(countInputStringLength, outputList, strings, fixWord);

return countInputStringLength;

}

addFixWordsOfTwo(charPosition, inputString, fixWord);

if (StablePOS.INT\_ZERO< fixWord[StablePOS.INT\_ONE].length()&& StableMaps.fuCi.containsKey(StablePOS.EMPTY\_STRING

+ fixWord[StablePOS.INT\_ONE].toString().charAt(StablePOS.INT\_ZERO))){

countInputStringLength= parserFirstCharOfTwo(countInputStringLength, outputList, strings, fixWord);

return countInputStringLength;

}

if (StableMaps.CiTwo.containsKey(strings[StablePOS.INT\_ONE])){

outputList.add(strings[StablePOS.INT\_ONE]);

fixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, fixWord[StablePOS.INT\_ZERO].length());

fixWord[StablePOS.INT\_ZERO].append(strings[StablePOS.INT\_ONE]);

return countInputStringLength;

}

countInputStringLength= parserFirstCharOfTwo(countInputStringLength, outputList, strings, fixWord);

return countInputStringLength;

}

return countInputStringLength;

}

public void addFixWordsOfTwo(int charPosition, String inputString, StringBuilder[] fixWords) {

fixWords[StablePOS.INT\_ONE].delete(StablePOS.INT\_ZERO, fixWords[StablePOS.INT\_ONE].length());

if (charPosition+ StablePOS.INT\_SEVEN < inputString.length()) {

fixWords[StablePOS.INT\_ONE].append(inputString.substring(charPosition + StablePOS.INT\_TWO, charPosition + StablePOS.INT\_SEVEN));

return;

}

fixWords[StablePOS.INT\_ONE].append(inputString.substring(charPosition + StablePOS.INT\_TWO, inputString.length()));

}

public int parserFirstCharOfTwo(int countInputStringLength, List<String> outputList, String[] strings

, StringBuilder[] fixWord){

outputList.add(strings[StablePOS.INT\_ZERO]);

String postNext=StablePOS.EMPTY\_STRING + strings[StablePOS.INT\_ONE].charAt(StablePOS.INT\_ONE);

outputList.add(postNext);

fixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, fixWord[StablePOS.INT\_ZERO].length());

fixWord[StablePOS.INT\_ZERO].append(postNext);

return countInputStringLength;

}

public int chuLiLianCiPostFixOfThree(Map<String, String> wordsForest, List<String> outputList, int countInputLength,

String[] strings, StringBuilder[] prefixWord) {

if (StableMaps.lianCi.containsKey(strings[StablePOS.INT\_TWO])){

countInputLength= parserFirstCharOfThree(countInputLength, outputList, strings, prefixWord);

return countInputLength;

}

if (StableMaps.CiTwo.containsKey(strings[StablePOS.INT\_ONE])){

countInputLength= parserFirstTwoCharOfThree(countInputLength, outputList, strings, prefixWord);

return countInputLength;

}

return countInputLength;

}

public int chuLiLianCiOfThree(Map<String, String> wordsForest, List<String> outputList, int countInputStringLength

, String[] strings, StringBuilder[] fixWord){

if (outputList.size() == StablePOS.INT\_ZERO){

didNotFindFirstChar(outputList, strings, fixWord, wordsForest);

return countInputStringLength;

}

if (wordsForest.containsKey(fixWord[StablePOS.INT\_ZERO].toString()) && (StableMaps.mingCi.containsKey(fixWord[StablePOS.INT\_ZERO].toString())

|| StableMaps.dongCi.containsKey(fixWord[StablePOS.INT\_ZERO].toString())|| StableMaps.fuCi.containsKey(fixWord[StablePOS.INT\_ZERO].toString())

|| StableMaps.daiCi.containsKey(fixWord[StablePOS.INT\_ZERO].toString()) || StableMaps.weiCi.containsKey(fixWord[StablePOS.INT\_ZERO].toString()))){

countInputStringLength = parserFirstCharOfThree(countInputStringLength, outputList, strings, fixWord);

return countInputStringLength;

}

if (wordsForest.containsKey(fixWord[StablePOS.INT\_ZERO].toString()) && (StableMaps.zhuCi.containsKey(fixWord[StablePOS.INT\_ZERO].toString())

|| StableMaps.shengLueCi.containsKey(fixWord[StablePOS.INT\_ZERO].toString()))){

for (int BackPosition = StablePOS.INT\_ZERO; BackPosition < fixWord[StablePOS.INT\_ONE].length(); BackPosition++){

int[] nestCountInputStringLength = new int[StablePOS.INT\_ONE];

int result = loopCheckBackFix(fixWord, BackPosition, wordsForest, countInputStringLength, outputList, strings

, nestCountInputStringLength);

if (result == StablePOS.INT\_RIGHT){

return nestCountInputStringLength[StablePOS.INT\_ZERO];

}

}

if (StableMaps.CiTwo.containsKey(strings[StablePOS.INT\_ONE])){

outputList.add(strings[StablePOS.INT\_ONE]);

fixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, fixWord[StablePOS.INT\_ZERO].length());

fixWord[StablePOS.INT\_ZERO].append(strings[StablePOS.INT\_ONE]);

return countInputStringLength- StablePOS.INT\_ONE;

}

return countInputStringLength- StablePOS.INT\_THREE;

}

if (StableMaps.CiTwo.containsKey(strings[StablePOS.INT\_ONE])){

outputList.add(strings[StablePOS.INT\_ONE]);

fixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, fixWord[StablePOS.INT\_ZERO].length());

return countInputStringLength- StablePOS.INT\_ONE;

}

return countInputStringLength- StablePOS.INT\_THREE;

}

public int loopCheckBackFix(StringBuilder[] fixWord, int backPosition, Map<String, String> wordsForest, int countInputStringLength, List<String> outputList

, String[] strings, int[] nestCountInputStringLength){

String charPositionAtFixWord = StablePOS.EMPTY\_STRING + fixWord[StablePOS.INT\_ONE].charAt(backPosition);

if (wordsForest.containsKey(charPositionAtFixWord) && (StableMaps.zhuCi.containsKey(charPositionAtFixWord)

|| StableMaps.shengLueCi.containsKey(charPositionAtFixWord)|| StableMaps.fuCi.containsKey(charPositionAtFixWord))){

if(!wordsForest.get(fixWord[StablePOS.INT\_ZERO].toString()).contains(StablePOS.NLP\_CI\_SHENG\_LUE)

&& wordsForest.get(charPositionAtFixWord).contains(StablePOS.NLP\_CI\_FU)){

return StablePOS.INT\_ERROR;

}

nestCountInputStringLength[StablePOS.INT\_ZERO]= parserFirstCharOfThree(countInputStringLength, outputList, strings, fixWord);

return StablePOS.INT\_RIGHT;

}

return StablePOS.INT\_ERROR;

}

public void didNotFindFirstChar(List<String> outputList, String[] strings, StringBuilder[] fixWord

, Map<String, String> wordsForest){

if(!wordsForest.containsKey(strings[StablePOS.INT\_TWO])){

if(wordsForest.containsKey(strings[StablePOS.INT\_ONE])){

outputList.add(strings[StablePOS.INT\_ONE]);

outputList.add(strings[StablePOS.INT\_THREE]);

fixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, fixWord[StablePOS.INT\_ZERO].length());

fixWord[StablePOS.INT\_ZERO].append(strings[StablePOS.INT\_THREE]);

}

return;

}

if (StableMaps.fuCi.containsKey(strings[StablePOS.INT\_TWO])){

outputList.add(strings[StablePOS.INT\_ZERO]);

outputList.add(strings[StablePOS.INT\_TWO]);

fixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, fixWord[StablePOS.INT\_ZERO].length());

fixWord[StablePOS.INT\_ZERO].append(strings[StablePOS.INT\_TWO]);

return;

}

if(StableMaps.CiTwo.containsKey(strings[StablePOS.INT\_ONE])){

outputList.add(strings[StablePOS.INT\_ONE]);

outputList.add(strings[StablePOS.INT\_THREE]);

fixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, fixWord[StablePOS.INT\_ZERO].length());

fixWord[StablePOS.INT\_ZERO].append(strings[StablePOS.INT\_THREE]);

}

}

public int parserFirstCharOfThree(int countInputStringLength, List<String> outputList, String[] strings, StringBuilder[] fixWord){

outputList.add(strings[StablePOS.INT\_ZERO]);

outputList.add(strings[StablePOS.INT\_TWO]);

fixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, fixWord[StablePOS.INT\_ZERO].length());

fixWord[StablePOS.INT\_ZERO].append(strings[StablePOS.INT\_TWO]);

return countInputStringLength;

}

public int parserFirstTwoCharOfThree(int countInputStringLength, List<String> outputList, String[] strings, StringBuilder[] fixWord){

outputList.add(strings[StablePOS.INT\_ONE]);

outputList.add(strings[StablePOS.INT\_THREE]);

fixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, fixWord[StablePOS.INT\_ZERO].length());

fixWord[StablePOS.INT\_ZERO].append(strings[StablePOS.INT\_THREE]);

return countInputStringLength;

}

public int chuLiZhuCiOfThree(Map<String, String> wordsForest, List<String> outputList, int countInputStringLength, String[] strings, StringBuilder[] fixWord){

if (StablePOS.INT\_ZERO== outputList.size()){

didNotFindFirstChar(outputList, strings, fixWord, wordsForest);

return countInputStringLength;

}

if (wordsForest.containsKey(fixWord[StablePOS.INT\_ZERO].toString())){

if (StableMaps.dongCi.containsKey(fixWord[StablePOS.INT\_ZERO].toString())){

if(wordsForest.containsKey(strings[StablePOS.INT\_TWO])) {

countInputStringLength = parserFirstCharOfThree(countInputStringLength, outputList, strings, fixWord);

return countInputStringLength;

}

outputList.add(strings[StablePOS.INT\_ZERO]);

fixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, fixWord[StablePOS.INT\_ZERO].length());

fixWord[StablePOS.INT\_ZERO].append(strings[StablePOS.INT\_ZERO]);

return countInputStringLength= StablePOS.INT\_ONE;

} else if(fixWord[StablePOS.INT\_ONE].length()> StablePOS.INT\_ONE) {

String firstChar= StablePOS.EMPTY\_STRING+ fixWord[StablePOS.INT\_ONE].toString().charAt(StablePOS.INT\_ZERO);

String secondChar= StablePOS.EMPTY\_STRING+ fixWord[StablePOS.INT\_ONE].toString().charAt(StablePOS.INT\_ONE);

if(!StableMaps.fuCi.containsKey(firstChar)&& !StableMaps.fuCi.containsKey(secondChar)

&&!StableMaps.fuCi.containsKey(firstChar+ secondChar)) {

if(wordsForest.containsKey(firstChar)&& wordsForest.containsKey(secondChar)) {

outputList.add(strings[StablePOS.INT\_ZERO]);

fixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, fixWord[StablePOS.INT\_ZERO].length());

fixWord[StablePOS.INT\_ZERO].append(strings[StablePOS.INT\_ZERO]);

countInputStringLength= StablePOS.INT\_ONE;

if(wordsForest.containsKey(strings[StablePOS.INT\_TWO])) {

outputList.add(strings[StablePOS.INT\_TWO]);

fixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, fixWord[StablePOS.INT\_ZERO].length());

fixWord[StablePOS.INT\_ZERO].append(strings[StablePOS.INT\_TWO]);

countInputStringLength= StablePOS.INT\_THREE;

}

return countInputStringLength;

}

}

}

if (StableMaps.CiTwo.containsKey(strings[StablePOS.INT\_ONE])){

outputList.add(strings[StablePOS.INT\_ONE]);

fixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, fixWord[StablePOS.INT\_ZERO].length());

fixWord[StablePOS.INT\_ZERO].append(strings[StablePOS.INT\_ONE]);

return countInputStringLength- StablePOS.INT\_ONE;

}

if (StableMaps.CiTwo.containsKey(strings[StablePOS.INT\_TWO])){

outputList.add(strings[StablePOS.INT\_ZERO]);

outputList.add(strings[StablePOS.INT\_TWO]);

fixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, fixWord[StablePOS.INT\_ZERO].length());

fixWord[StablePOS.INT\_ZERO].append(strings[StablePOS.INT\_TWO]);

return countInputStringLength;

}

}

return countInputStringLength;

}

public int chuLiJieCiOfThree(Map<String, String> wordsForest, List<String> outputList, int countInputStringLength

, String[] strings, StringBuilder[] fixWord){

if (StablePOS.INT\_ZERO== outputList.size()&& (wordsForest.get(strings[StablePOS.INT\_TWO])

.contains(StablePOS.NLP\_CI\_WEI))){

outputList.add(strings[StablePOS.INT\_ZERO]);

outputList.add(strings[StablePOS.INT\_TWO]);

fixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, fixWord[StablePOS.INT\_ZERO].length());

fixWord[StablePOS.INT\_ZERO].append(strings[StablePOS.INT\_TWO]);

return countInputStringLength;

}

if (outputList.size() > StablePOS.INT\_ZERO&& wordsForest.containsKey(fixWord[StablePOS.INT\_ZERO].toString())){

if (StableMaps.qingTaiCi.containsKey(fixWord[StablePOS.INT\_ZERO].toString())

|| StableMaps.weiCi.containsKey(fixWord[StablePOS.INT\_ZERO].toString())

|| StableMaps.lianCi.containsKey(fixWord[StablePOS.INT\_ZERO].toString())){

countInputStringLength= parserFirstCharOfThree(countInputStringLength, outputList, strings, fixWord);

return countInputStringLength;

} else{

if(StableMaps.dongCi.containsKey(fixWord[StablePOS.INT\_ZERO].toString())) {

if(StableMaps.xingWeiCi.containsKey(strings[StablePOS.INT\_ONE])

|| StableMaps.xingRongCi.containsKey(strings[StablePOS.INT\_ONE])) {

countInputStringLength= parserFirstTwoCharOfThree(countInputStringLength, outputList, strings, fixWord);

return countInputStringLength;

}

}

if (StableMaps.mingCi.containsKey(strings[StablePOS.INT\_TWO])){

outputList.add(strings[StablePOS.INT\_ZERO]);

outputList.add(strings[StablePOS.INT\_TWO]);

fixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, fixWord[StablePOS.INT\_ZERO].length());

fixWord[StablePOS.INT\_ZERO].append(strings[StablePOS.INT\_TWO]);

return countInputStringLength;

}else if (StableMaps.CiTwo.containsKey(strings[StablePOS.INT\_ONE])){

if(StableMaps.jieCi.containsKey(strings[StablePOS.INT\_ONE])) {

countInputStringLength= parserFirstTwoCharOfThree(countInputStringLength, outputList, strings, fixWord);

return countInputStringLength;

}

outputList.add(strings[StablePOS.INT\_ONE]);

fixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, fixWord[StablePOS.INT\_ZERO].length());

fixWord[StablePOS.INT\_ZERO].append(strings[StablePOS.INT\_ONE]);

countInputStringLength = StablePOS.INT\_TWO;

return countInputStringLength;

}else if (StableMaps.CiTwo.containsKey(strings[StablePOS.INT\_TWO])){

outputList.add(strings[StablePOS.INT\_ZERO]);

outputList.add(strings[StablePOS.INT\_TWO]);

fixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, fixWord[StablePOS.INT\_ZERO].length());

fixWord[StablePOS.INT\_ZERO].append(strings[StablePOS.INT\_TWO]);

return countInputStringLength;

}

}

}

if(StableMaps.jieCi.containsKey(strings[StablePOS.INT\_ONE])) {

countInputStringLength= parserFirstTwoCharOfThree(countInputStringLength, outputList, strings, fixWord);

return countInputStringLength;

}

outputList.add(strings[StablePOS.INT\_ZERO]);

if(StableMaps.CiTwo.containsKey(strings[StablePOS.INT\_TWO])) {

outputList.add(strings[StablePOS.INT\_TWO]);

fixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, fixWord[StablePOS.INT\_ZERO].length());

fixWord[StablePOS.INT\_ZERO].append(strings[StablePOS.INT\_TWO]);

return countInputStringLength;

}

fixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, fixWord[StablePOS.INT\_ZERO].length());

fixWord[StablePOS.INT\_ZERO].append(strings[StablePOS.INT\_ZERO]);

return countInputStringLength= StablePOS.INT\_ONE;

}

public int chuLiLiangCiOfThree(Map<String, String> wordsForest, List<String> outputList, int countInputStringLength

, String[] strings, StringBuilder[] fixWord){

if (wordsForest.containsKey(fixWord[StablePOS.INT\_ZERO].toString())){

if (StableMaps.mingCi.containsKey(fixWord[StablePOS.INT\_ZERO].toString())|| StableMaps.daiCi.containsKey(fixWord[StablePOS.INT\_ZERO].toString())){

countInputStringLength = parserFirstCharOfThree(countInputStringLength, outputList, strings, fixWord);

return countInputStringLength;

}

if (StableMaps.liangCi.containsKey(strings[StablePOS.INT\_ONE])){

outputList.add(strings[StablePOS.INT\_ONE]);

fixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, fixWord[StablePOS.INT\_ZERO].length());

fixWord[StablePOS.INT\_ZERO].append(strings[StablePOS.INT\_ONE]);

return StablePOS.INT\_TWO;

}

if ((StableMaps.xingWeiCi.containsKey(fixWord[StablePOS.INT\_ZERO].toString())||StableMaps.xingRongCi.containsKey(fixWord[StablePOS.INT\_ZERO].toString()))

&& StableMaps.mingCi.containsKey(strings[StablePOS.INT\_ONE])){

outputList.add(strings[StablePOS.INT\_ONE]);

fixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, fixWord[StablePOS.INT\_ZERO].length());

fixWord[StablePOS.INT\_ZERO].append(strings[StablePOS.INT\_ONE]);

return StablePOS.INT\_TWO;

}

}

fixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, fixWord[StablePOS.INT\_ZERO].length());

fixWord[StablePOS.INT\_ZERO].append(strings[StablePOS.INT\_ZERO]);

outputList.add(strings[StablePOS.INT\_ZERO]);

if (StableMaps.CiTwo.containsKey(strings[StablePOS.INT\_TWO])){

outputList.add(strings[StablePOS.INT\_TWO]);

fixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, fixWord[StablePOS.INT\_ZERO].length());

fixWord[StablePOS.INT\_ZERO].append(strings[StablePOS.INT\_TWO]);

return StablePOS.INT\_THREE;

}

return StablePOS.INT\_ONE;

}

public int chuLiMingCiOfTwoForMap(Map<String, String> wordsForest, Map<String, WordFrequency> outputList, int countInputStringLength

, String[] strings, StringBuilder[] fixWord){

if (wordsForest.containsKey(fixWord[StablePOS.INT\_ZERO].toString())){

if (StableMaps.liangCi.containsKey(fixWord[StablePOS.INT\_ZERO].toString())){

countInputStringLength = parserFirstCharOfTwoForMap(countInputStringLength, outputList, strings, fixWord

, wordsForest);

return countInputStringLength;

}

countInputStringLength -= StablePOS.INT\_TWO;

if (wordsForest.containsKey(strings[StablePOS.INT\_ONE])){

if (outputList.containsKey(strings[StablePOS.INT\_ONE])){

WordFrequency wordFrequency = outputList.get(strings[StablePOS.INT\_ONE]);

wordFrequency.setFrequency(wordFrequency.getFrequency() + StablePOS.INT\_ONE);

outputList.put(strings[StablePOS.INT\_ONE], wordFrequency);

} else{

WordFrequency wordFrequency = new WordFrequency();

wordFrequency.setFrequency(StablePOS.INT\_ONE);

wordFrequency.setWord(strings[StablePOS.INT\_ONE]);

outputList.put(strings[StablePOS.INT\_ONE], wordFrequency);

}

fixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, fixWord[StablePOS.INT\_ZERO].length());

fixWord[StablePOS.INT\_ZERO].append(strings[StablePOS.INT\_ONE]);

countInputStringLength += StablePOS.INT\_TWO;

}

return countInputStringLength;

}

return countInputStringLength;

}

public int parserFirstCharOfTwoForMap(int countInputStringLength, Map<String, WordFrequency> outputList, String[] strings

, StringBuilder[] fixWord, Map<String, String> wordsForest){

countInputStringLength -= StablePOS.INT\_TWO;

if (outputList.containsKey(strings[StablePOS.INT\_ZERO])){

WordFrequency wordFrequency = outputList.get(strings[StablePOS.INT\_ZERO]);

wordFrequency.setFrequency(wordFrequency.getFrequency() + StablePOS.INT\_ONE);

outputList.put(strings[StablePOS.INT\_ZERO], wordFrequency);

} else{

WordFrequency wordFrequency = new WordFrequency();

wordFrequency.setFrequency(StablePOS.INT\_ONE);

wordFrequency.setWord(strings[StablePOS.INT\_ZERO]);

outputList.put(strings[StablePOS.INT\_ZERO], wordFrequency);

}

fixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, fixWord[StablePOS.INT\_ZERO].length());

fixWord[StablePOS.INT\_ZERO].append(strings[StablePOS.INT\_ZERO]);

countInputStringLength += StablePOS.INT\_ONE;

return countInputStringLength;

}

public int chuLiLiangCiOfThreeForMap(Map<String, String> wordsForest, Map<String, WordFrequency> outputList, int countInputStringLength

, String[] strings, StringBuilder[] fixWord){

if (wordsForest.containsKey(fixWord[StablePOS.INT\_ZERO].toString())){

if (StableMaps.mingCi.containsKey(fixWord[StablePOS.INT\_ZERO].toString())|| StableMaps.daiCi.containsKey(fixWord[StablePOS.INT\_ZERO].toString())){

countInputStringLength= parserFirstCharOfThreeForMap(countInputStringLength, outputList, strings, fixWord

, wordsForest);

return countInputStringLength;

}

countInputStringLength -= StablePOS.INT\_THREE;

if (wordsForest.containsKey(strings[StablePOS.INT\_ONE])){

if (outputList.containsKey(strings[StablePOS.INT\_ONE])){

WordFrequency wordFrequency = outputList.get(strings[StablePOS.INT\_ONE]);

wordFrequency.setFrequency(wordFrequency.getFrequency() + StablePOS.INT\_ONE);

outputList.put(strings[StablePOS.INT\_ONE], wordFrequency);

} else{

WordFrequency wordFrequency = new WordFrequency();

wordFrequency.setFrequency(StablePOS.INT\_ONE);

wordFrequency.setWord(strings[StablePOS.INT\_ONE]);

outputList.put(strings[StablePOS.INT\_ONE], wordFrequency);

}

fixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, fixWord[StablePOS.INT\_ZERO].length());

fixWord[StablePOS.INT\_ZERO].append(strings[StablePOS.INT\_ONE]);

countInputStringLength += StablePOS.INT\_TWO;

}

return countInputStringLength;

}

return countInputStringLength;

}

public int chuLiJieCiOfThreeForMap(Map<String, String> wordsForest, Map<String, WordFrequency> outputList, int countInputStringLength

, String[] strings, StringBuilder[] fixWord){

if (outputList.size()== StablePOS.INT\_ZERO&& StableMaps.weiCi.containsKey(strings[StablePOS.INT\_TWO])){

if (outputList.containsKey(strings[StablePOS.INT\_ZERO])){

WordFrequency wordFrequency= outputList.get(strings[StablePOS.INT\_ZERO]);

wordFrequency.setFrequency(wordFrequency.getFrequency()+ StablePOS.INT\_ONE);

outputList.put(strings[StablePOS.INT\_ZERO], wordFrequency);

} else{

WordFrequency wordFrequency= new WordFrequency();

wordFrequency.setFrequency(StablePOS.INT\_ONE);

wordFrequency.setWord(strings[StablePOS.INT\_ZERO]);

outputList.put(strings[StablePOS.INT\_ZERO], wordFrequency);

}

if (outputList.containsKey(strings[StablePOS.INT\_TWO])){

WordFrequency wordFrequency= outputList.get(strings[StablePOS.INT\_TWO]);

wordFrequency.setFrequency(wordFrequency.getFrequency()+ StablePOS.INT\_ONE);

outputList.put(strings[StablePOS.INT\_TWO], wordFrequency);

} else{

WordFrequency wordFrequency= new WordFrequency();

wordFrequency.setFrequency(StablePOS.INT\_ONE);

wordFrequency.setWord(strings[StablePOS.INT\_TWO]);

outputList.put(strings[StablePOS.INT\_TWO], wordFrequency);

}

fixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, fixWord[StablePOS.INT\_ZERO].length());

fixWord[StablePOS.INT\_ZERO].append(strings[StablePOS.INT\_TWO]);

return countInputStringLength;

}

if (outputList.size()> StablePOS.INT\_ZERO&& wordsForest.containsKey(fixWord[StablePOS.INT\_ZERO].toString())){

if (StableMaps.lianCi.containsKey(fixWord[StablePOS.INT\_ZERO].toString())|| StableMaps.qingTaiCi.containsKey(fixWord[StablePOS.INT\_ZERO].toString())

|| StableMaps.weiCi.containsKey(fixWord[StablePOS.INT\_ZERO].toString())){

countInputStringLength= parserFirstCharOfThreeForMap(countInputStringLength, outputList, strings, fixWord, wordsForest);

return countInputStringLength;

} else{

countInputStringLength-= StablePOS.INT\_THREE;

if (wordsForest.containsKey(strings[StablePOS.INT\_ONE])){

if (outputList.containsKey(strings[StablePOS.INT\_ONE])){

WordFrequency wordFrequency= outputList.get(strings[StablePOS.INT\_ONE]);

wordFrequency.setFrequency(wordFrequency.getFrequency()+ StablePOS.INT\_ONE);

outputList.put(strings[StablePOS.INT\_ONE], wordFrequency);

} else{

WordFrequency wordFrequency= new WordFrequency();

wordFrequency.setFrequency(StablePOS.INT\_ONE);

wordFrequency.setWord(strings[StablePOS.INT\_ONE]);

outputList.put(strings[StablePOS.INT\_ONE], wordFrequency);

}

fixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, fixWord[StablePOS.INT\_ZERO].length());

fixWord[StablePOS.INT\_ZERO].append(strings[StablePOS.INT\_ONE]);

countInputStringLength+= StablePOS.INT\_TWO;

}

return countInputStringLength;

}

}

return countInputStringLength;

}

public int chuLiLianCiOfThreeForMap(Map<String, String> wordsForest, Map<String, WordFrequency> outputList, int countInputStringLength

, String[] strings, StringBuilder[] fixWord){

if (outputList.size()== StablePOS.INT\_ZERO){

didNotFindFirstCharForMap(outputList, strings, fixWord, wordsForest);

return countInputStringLength;

}

if (wordsForest.containsKey(fixWord[StablePOS.INT\_ZERO].toString()) && (StableMaps.mingCi.containsKey(fixWord[StablePOS.INT\_ZERO].toString())

|| StableMaps.daiCi.containsKey(fixWord[StablePOS.INT\_ZERO].toString())

|| StableMaps.weiCi.containsKey(fixWord[StablePOS.INT\_ZERO].toString())

|| StableMaps.dongCi.containsKey(fixWord[StablePOS.INT\_ZERO].toString())

|| StableMaps.fuCi.containsKey(fixWord[StablePOS.INT\_ZERO].toString()))){

countInputStringLength = parserFirstCharOfThreeForMap(countInputStringLength, outputList, strings, fixWord, wordsForest);

return countInputStringLength;

}

if (wordsForest.containsKey(fixWord[StablePOS.INT\_ZERO].toString())

&& (StableMaps.zhuCi.containsKey(fixWord[StablePOS.INT\_ZERO].toString())

|| StableMaps.shengLueCi.containsKey(fixWord[StablePOS.INT\_ZERO].toString()))){

for (int BackPosition= StablePOS.INT\_ZERO; BackPosition< fixWord[StablePOS.INT\_ONE].length(); BackPosition++){

int[] nestCountInputStringLength = new int[StablePOS.INT\_ONE];

int result= loopCheckBackFixForMap(fixWord, BackPosition, wordsForest, countInputStringLength, outputList, strings

, nestCountInputStringLength);

if (result== StablePOS.INT\_RIGHT){

return nestCountInputStringLength[StablePOS.INT\_ZERO];

}

}

countInputStringLength-= StablePOS.INT\_THREE;

if (wordsForest.containsKey(strings[StablePOS.INT\_ONE])){

if (outputList.containsKey(strings[StablePOS.INT\_ONE])){

WordFrequency wordFrequency= outputList.get(strings[StablePOS.INT\_ONE]);

wordFrequency.setFrequency(wordFrequency.getFrequency() + StablePOS.INT\_ONE);

outputList.put(strings[StablePOS.INT\_ONE], wordFrequency);

} else{

WordFrequency wordFrequency = new WordFrequency();

wordFrequency.setFrequency(StablePOS.INT\_ONE);

wordFrequency.setWord(strings[StablePOS.INT\_ONE]);

outputList.put(strings[StablePOS.INT\_ONE], wordFrequency);

}

fixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, fixWord[StablePOS.INT\_ZERO].length());

fixWord[StablePOS.INT\_ZERO].append(strings[StablePOS.INT\_ONE]);

countInputStringLength += StablePOS.INT\_TWO;

}

return countInputStringLength;

}

countInputStringLength-= StablePOS.INT\_THREE;

if (wordsForest.containsKey(strings[StablePOS.INT\_ONE])){

if (outputList.containsKey(strings[StablePOS.INT\_ONE])){

WordFrequency wordFrequency = outputList.get(strings[StablePOS.INT\_ONE]);

wordFrequency.setFrequency(wordFrequency.getFrequency()+ StablePOS.INT\_ONE);

outputList.put(strings[StablePOS.INT\_ONE], wordFrequency);

} else{

WordFrequency wordFrequency= new WordFrequency();

wordFrequency.setFrequency(StablePOS.INT\_ONE);

wordFrequency.setWord(strings[StablePOS.INT\_ONE]);

outputList.put(strings[StablePOS.INT\_ONE], wordFrequency);

}

fixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, fixWord[StablePOS.INT\_ZERO].length());

countInputStringLength+= StablePOS.INT\_TWO;

}

return countInputStringLength;

}

public int loopCheckBackFixForMap(StringBuilder[] fixWord, int backPosition, Map<String, String> wordsForest

, int countInputStringLength, Map<String, WordFrequency> outputList, String[] strings, int[] nestCountInputStringLength){

String charPositionAtFixWord= StablePOS.EMPTY\_STRING+ fixWord[StablePOS.INT\_ONE].charAt(backPosition);

if (wordsForest.containsKey(charPositionAtFixWord)&& (StableMaps.zhuCi.containsKey(charPositionAtFixWord)

|| wordsForest.get(charPositionAtFixWord).contains(StablePOS.NLP\_CI\_SHENG\_LUE))){

nestCountInputStringLength[StablePOS.INT\_ZERO]= parserFirstCharOfThreeForMap(countInputStringLength, outputList

, strings, fixWord, wordsForest);

return StablePOS.INT\_RIGHT;

}

return StablePOS.INT\_ERROR;

}

public int chuLiZhuCiOfThreeForMap(Map<String, String> wordsForest, Map<String, WordFrequency> outputList, int countInputStringLength

, String[] strings, StringBuilder[] fixWord){

if (StablePOS.INT\_ZERO== outputList.size()){

didNotFindFirstCharForMap(outputList, strings, fixWord, wordsForest);

return countInputStringLength;

}

if (wordsForest.containsKey(fixWord[StablePOS.INT\_ZERO].toString())){

if (StableMaps.dongCi.containsKey(fixWord[StablePOS.INT\_ZERO].toString())){

countInputStringLength= parserFirstCharOfThreeForMap(countInputStringLength, outputList, strings, fixWord, wordsForest);

return countInputStringLength;

} else{

countInputStringLength-= StablePOS.INT\_THREE;

if (wordsForest.containsKey(strings[StablePOS.INT\_ONE])){

if (outputList.containsKey(strings[StablePOS.INT\_ONE])){

WordFrequency wordFrequency= outputList.get(strings[StablePOS.INT\_ONE]);

wordFrequency.setFrequency(wordFrequency.getFrequency()+ StablePOS.INT\_ONE);

outputList.put(strings[StablePOS.INT\_ONE], wordFrequency);

} else{

WordFrequency wordFrequency= new WordFrequency();

wordFrequency.setFrequency(StablePOS.INT\_ONE);

wordFrequency.setWord(strings[StablePOS.INT\_ONE]);

outputList.put(strings[StablePOS.INT\_ONE], wordFrequency);

}

fixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, fixWord[StablePOS.INT\_ZERO].length());

fixWord[StablePOS.INT\_ZERO].append(strings[StablePOS.INT\_ONE]);

countInputStringLength+= StablePOS.INT\_TWO;

}

return countInputStringLength;

}

}

return countInputStringLength;

}

public void didNotFindFirstCharForMap(Map<String, WordFrequency> outputList, String[] strings, StringBuilder[] fixWord

, Map<String, String> wordsForest){

if(!wordsForest.containsKey(strings[StablePOS.INT\_TWO])){

return;

}

if (StableMaps.fuCi.containsKey(strings[StablePOS.INT\_TWO])){

if (outputList.containsKey(strings[StablePOS.INT\_ZERO])){

WordFrequency wordFrequency= outputList.get(strings[StablePOS.INT\_ZERO]);

wordFrequency.setFrequency(wordFrequency.getFrequency()+ StablePOS.INT\_ONE);

outputList.put(strings[StablePOS.INT\_ZERO], wordFrequency);

} else{

WordFrequency wordFrequency= new WordFrequency();

wordFrequency.setFrequency(StablePOS.INT\_ONE);

wordFrequency.setWord(strings[StablePOS.INT\_ZERO]);

outputList.put(strings[StablePOS.INT\_ZERO], wordFrequency);

}

if (outputList.containsKey(strings[StablePOS.INT\_TWO])){

WordFrequency wordFrequency= outputList.get(strings[StablePOS.INT\_TWO]);

wordFrequency.setFrequency(wordFrequency.getFrequency()+ StablePOS.INT\_ONE);

outputList.put(strings[StablePOS.INT\_TWO], wordFrequency);

} else{

WordFrequency wordFrequency= new WordFrequency();

wordFrequency.setFrequency(StablePOS.INT\_ONE);

wordFrequency.setWord(strings[StablePOS.INT\_TWO]);

outputList.put(strings[StablePOS.INT\_TWO], wordFrequency);

}

fixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, fixWord[StablePOS.INT\_ZERO].length());

fixWord[StablePOS.INT\_ZERO].append(strings[StablePOS.INT\_TWO]);

}

}

public int parserFirstCharOfThreeForMap(int countInputStringLength, Map<String, WordFrequency> outputList, String[] strings

, StringBuilder[] fixWord, Map<String, String> wordsForest){

countInputStringLength-= StablePOS.INT\_THREE;

if (outputList.containsKey(strings[StablePOS.INT\_ZERO])){

WordFrequency wordFrequency = outputList.get(strings[StablePOS.INT\_ZERO]);

wordFrequency.setFrequency(wordFrequency.getFrequency()+ StablePOS.INT\_ONE);

outputList.put(strings[StablePOS.INT\_ZERO], wordFrequency);

} else{

WordFrequency wordFrequency= new WordFrequency();

wordFrequency.setFrequency(StablePOS.INT\_ONE);

wordFrequency.setWord(strings[StablePOS.INT\_ZERO]);

outputList.put(strings[StablePOS.INT\_ZERO], wordFrequency);

}

fixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, fixWord[StablePOS.INT\_ZERO].length());

fixWord[StablePOS.INT\_ZERO].append(strings[StablePOS.INT\_ZERO]);

countInputStringLength ++;

if (wordsForest.containsKey(strings[StablePOS.INT\_TWO])){

if (outputList.containsKey(strings[StablePOS.INT\_TWO])){

WordFrequency wordFrequency= outputList.get(strings[StablePOS.INT\_TWO]);

wordFrequency.setFrequency(wordFrequency.getFrequency() + StablePOS.INT\_ONE);

outputList.put(strings[StablePOS.INT\_TWO], wordFrequency);

} else{

WordFrequency wordFrequency= new WordFrequency();

wordFrequency.setFrequency(StablePOS.INT\_ONE);

wordFrequency.setWord(strings[StablePOS.INT\_TWO]);

outputList.put(strings[StablePOS.INT\_TWO], wordFrequency);

}

fixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, fixWord[StablePOS.INT\_ZERO].length());

fixWord[StablePOS.INT\_ZERO].append(strings[StablePOS.INT\_TWO]);

countInputStringLength+= StablePOS.INT\_TWO;

return countInputStringLength;

}

return countInputStringLength;

}

public int chuLiMingCiOfThree(Map<String, String> wordsForest, List<String> outputList, int countInputStringLength,

String[] strings, StringBuilder[] fixWord){

if (StableMaps.xingWeiCi.containsKey(fixWord[StablePOS.INT\_ZERO].toString())|| StableMaps.mingCi

.containsKey(fixWord[StablePOS.INT\_ZERO].toString())){

if(StableMaps.dongCi.containsKey(strings[StablePOS.INT\_TWO])){

countInputStringLength= parserFirstCharOfThree(countInputStringLength, outputList, strings, fixWord);

return countInputStringLength;

}

if(StableMaps.dongCi.containsKey(strings[StablePOS.INT\_THREE])){

if(StableMaps.fuCi.containsKey(StablePOS.EMPTY\_STRING+ (0== fixWord[StablePOS.INT\_ONE].length()? "@^\_^@": fixWord[StablePOS.INT\_ONE].charAt(StablePOS.INT\_ZERO)))){

if(StableMaps.dongCi.containsKey(strings[StablePOS.INT\_ONE])|| StableMaps.qingTaiCi.containsKey(strings[StablePOS.INT\_ONE])) {

countInputStringLength= parserFirstTwoCharOfThree(countInputStringLength, outputList, strings, fixWord);

return countInputStringLength;

}

outputList.add(strings[StablePOS.INT\_ZERO]);

if (StableMaps.CiTwo.containsKey(strings[StablePOS.INT\_TWO])){

outputList.add(strings[StablePOS.INT\_TWO]);

fixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, fixWord[StablePOS.INT\_ZERO].length());

fixWord[StablePOS.INT\_ZERO].append(strings[StablePOS.INT\_TWO]);

return countInputStringLength;

}

fixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, fixWord[StablePOS.INT\_ZERO].length());

fixWord[StablePOS.INT\_ZERO].append(strings[StablePOS.INT\_ZERO]);

return countInputStringLength= StablePOS.INT\_ONE;

}

if(!StableMaps.dingMingCi.containsKey(strings[StablePOS.INT\_ZERO])){

if (StableMaps.CiTwo.containsKey(strings[StablePOS.INT\_ONE])){

countInputStringLength= parserFirstTwoCharOfThree(countInputStringLength, outputList, strings, fixWord);

return countInputStringLength;

}

outputList.add(strings[StablePOS.INT\_ZERO]);

fixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, fixWord[StablePOS.INT\_ZERO].length());

fixWord[StablePOS.INT\_ZERO].append(strings[StablePOS.INT\_ZERO]);

return countInputStringLength= StablePOS.INT\_ONE;

}

}

if(StableMaps.mingCi.containsKey(strings[StablePOS.INT\_TWO])){

if(StablePOS.INT\_ZERO< fixWord[StablePOS.INT\_ONE].length()&& StableMaps.zhuCi.containsKey(StablePOS.EMPTY\_STRING

+ fixWord[StablePOS.INT\_ONE].charAt(StablePOS.INT\_ZERO))){

if(StableMaps.CiTwo.containsKey(strings[StablePOS.INT\_ONE])) {

if(!StableMaps.dongCi.containsKey(fixWord[StablePOS.INT\_ZERO].toString())){

countInputStringLength= parserFirstCharOfThree(countInputStringLength, outputList, strings, fixWord);

return countInputStringLength;

}

countInputStringLength= parserFirstTwoCharOfThree(countInputStringLength, outputList, strings, fixWord);

return countInputStringLength;

}

outputList.add(strings[StablePOS.INT\_ZERO]);

fixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, fixWord[StablePOS.INT\_ZERO].length());

fixWord[StablePOS.INT\_ZERO].append(strings[StablePOS.INT\_ZERO]);

return countInputStringLength= StablePOS.INT\_ONE;

}

countInputStringLength= parserFirstCharOfThree(countInputStringLength, outputList, strings, fixWord);

return countInputStringLength;

}

if(StableMaps.mingCi.containsKey(strings[StablePOS.INT\_ONE])|| StableMaps.fuCi.containsKey(strings[StablePOS.INT\_ONE])){

countInputStringLength= parserFirstTwoCharOfThree(countInputStringLength, outputList, strings, fixWord);

return countInputStringLength;

}

if (StableMaps.CiTwo.containsKey(strings[StablePOS.INT\_TWO])){

countInputStringLength= parserFirstCharOfThree(countInputStringLength, outputList, strings, fixWord);

return countInputStringLength;

}

outputList.add(strings[StablePOS.INT\_ZERO]);

fixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, fixWord[StablePOS.INT\_ZERO].length());

fixWord[StablePOS.INT\_ZERO].append(strings[StablePOS.INT\_ZERO]);

countInputStringLength= StablePOS.INT\_ONE;

return countInputStringLength;

}

if(StableMaps.dongCi.containsKey(strings[StablePOS.INT\_THREE])){

if(StableMaps.dongCi.containsKey(strings[StablePOS.INT\_TWO])){

if(StableMaps.mingCi.containsKey(strings[StablePOS.INT\_ZERO])) {

countInputStringLength= parserFirstCharOfThree(countInputStringLength, outputList, strings, fixWord);

return countInputStringLength;

}

}

if(null!= fixWord[StablePOS.INT\_ZERO]&& StablePOS.INT\_ZERO<fixWord[StablePOS.INT\_ZERO].length()){

if(StableMaps.zhuCi.containsKey(StablePOS.EMPTY\_STRING+ fixWord[StablePOS.INT\_ZERO].charAt(StablePOS.INT\_ZERO))){

if(!StableMaps.mingCi.containsKey(strings[StablePOS.INT\_ONE])) {

countInputStringLength= parserFirstCharOfThree(countInputStringLength, outputList, strings, fixWord);

return countInputStringLength;

}

}

}

if(StableMaps.CiTwo.containsKey(strings[StablePOS.INT\_ONE])) {

countInputStringLength= parserFirstTwoCharOfThree(countInputStringLength, outputList, strings, fixWord);

return countInputStringLength;

}

countInputStringLength= parserFirstCharOfThree(countInputStringLength, outputList, strings, fixWord);

return countInputStringLength;

}

if(StableMaps.mingCi.containsKey(strings[StablePOS.INT\_TWO])){

if(StablePOS.INT\_ZERO< fixWord[StablePOS.INT\_ONE].length()&& StableMaps.zhuCi.containsKey(StablePOS.EMPTY\_STRING

+ fixWord[StablePOS.INT\_ONE].charAt(StablePOS.INT\_ZERO))){

if(StableMaps.CiTwo.containsKey(strings[StablePOS.INT\_ONE])){

if(!StableMaps.dongCi.containsKey(fixWord[StablePOS.INT\_ZERO].toString())){

countInputStringLength= parserFirstCharOfThree(countInputStringLength, outputList, strings, fixWord);

return countInputStringLength;

}

countInputStringLength= parserFirstTwoCharOfThree(countInputStringLength, outputList, strings, fixWord);

return countInputStringLength;

}

countInputStringLength= parserFirstCharOfThree(countInputStringLength, outputList, strings, fixWord);

return countInputStringLength;

}

if(StablePOS.INT\_ZERO< fixWord[StablePOS.INT\_ONE].length()&& StableMaps.dingMingCi.containsKey(StablePOS.EMPTY\_STRING

+ fixWord[StablePOS.INT\_ONE].charAt(StablePOS.INT\_ZERO))){

countInputStringLength= parserFirstTwoCharOfThree(countInputStringLength, outputList, strings, fixWord);

return countInputStringLength;

}

if(StableMaps.dongCi.containsKey(fixWord[StablePOS.INT\_ZERO].toString())){

if (StableMaps.CiTwo.containsKey(strings[StablePOS.INT\_ONE])){

countInputStringLength= parserFirstTwoCharOfThree(countInputStringLength, outputList, strings, fixWord);

return countInputStringLength;

}

}

countInputStringLength= parserFirstCharOfThree(countInputStringLength, outputList, strings, fixWord);

return countInputStringLength;

}

if (StableMaps.CiTwo.containsKey(strings[StablePOS.INT\_ONE])){

outputList.add(strings[StablePOS.INT\_ONE]);

fixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, fixWord[StablePOS.INT\_ZERO].length());

fixWord[StablePOS.INT\_ZERO].append(strings[StablePOS.INT\_ONE]);

countInputStringLength= StablePOS.INT\_TWO;

return countInputStringLength;

}

outputList.add(strings[StablePOS.INT\_ZERO]);

if(StableMaps.CiTwo.containsKey(strings[StablePOS.INT\_TWO])) {

outputList.add(strings[StablePOS.INT\_TWO]);

fixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, fixWord[StablePOS.INT\_ZERO].length());

fixWord[StablePOS.INT\_ZERO].append(strings[StablePOS.INT\_TWO]);

return countInputStringLength;

}

fixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, fixWord[StablePOS.INT\_ZERO].length());

fixWord[StablePOS.INT\_ZERO].append(strings[StablePOS.INT\_ZERO]);

return countInputStringLength= StablePOS.INT\_ONE;

}

public int chuLiShiTaiCiOfThree(Map<String, String> wordsForest, List<String> outputList, int countInputLength,

String[] strings, StringBuilder[] prefixWord) {

if ((StableMaps.mingCi.containsKey(strings[StablePOS.INT\_TWO].toString()))

&& (StableMaps.jieCi.containsKey(prefixWord[StablePOS.INT\_ZERO].toString())

|| StableMaps.xingWeiCi.containsKey(prefixWord[StablePOS.INT\_ZERO].toString())

|| StableMaps.dongCi.containsKey(prefixWord[StablePOS.INT\_ZERO].toString()))){

countInputLength= parserFirstCharOfThree(countInputLength, outputList, strings, prefixWord);

return countInputLength;

}

if (StableMaps.dongCi.containsKey(strings[StablePOS.INT\_TWO].toString())

||StableMaps.liangCi.containsKey(strings[StablePOS.INT\_TWO].toString())) {

countInputLength= parserFirstCharOfThree(countInputLength, outputList, strings, prefixWord);

return countInputLength;

}

if (StableMaps.CiTwo.containsKey(strings[StablePOS.INT\_ONE])){

outputList.add(strings[StablePOS.INT\_ONE]);

prefixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, prefixWord[StablePOS.INT\_ZERO].length());

prefixWord[StablePOS.INT\_ZERO].append(strings[StablePOS.INT\_ONE]);

countInputLength= StablePOS.INT\_TWO;

return countInputLength;

}

outputList.add(strings[StablePOS.INT\_ZERO]);

if(StableMaps.CiTwo.containsKey(strings[StablePOS.INT\_TWO])) {

outputList.add(strings[StablePOS.INT\_TWO]);

prefixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, prefixWord[StablePOS.INT\_ZERO].length());

prefixWord[StablePOS.INT\_ZERO].append(strings[StablePOS.INT\_TWO]);

return countInputLength;

}

prefixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, prefixWord[StablePOS.INT\_ZERO].length());

prefixWord[StablePOS.INT\_ZERO].append(strings[StablePOS.INT\_ZERO]);

return countInputLength= StablePOS.INT\_ONE;

}

public int chuLiFuCiOfThree(Map<String, String> wordsForest, List<String> outputList, int countInputLength,

String[] strings, StringBuilder[] prefixWord) {

if (StableMaps.fuCi.containsKey(strings[StablePOS.INT\_TWO].toString())) {

if (StableMaps.fuCi.containsKey(prefixWord[StablePOS.INT\_ZERO].toString())) {

countInputLength= parserFirstCharOfThree(countInputLength, outputList, strings, prefixWord);

return countInputLength;

}

}

if (StableMaps.dongCi.containsKey(strings[StablePOS.INT\_TWO].toString())) {

if (StableMaps.zhuCi.containsKey(StablePOS.EMPTY\_STRING+ prefixWord[StablePOS.INT\_ONE].charAt(StablePOS.INT\_ZERO))

|| StableMaps.daiCi.containsKey(StablePOS.EMPTY\_STRING+ prefixWord[StablePOS.INT\_ONE].charAt(StablePOS.INT\_ZERO))) {

countInputLength= parserFirstCharOfThree(countInputLength, outputList, strings, prefixWord);

return countInputLength;

}

}

if(StableMaps.CiTwo.containsKey(strings[StablePOS.INT\_ONE])) {

countInputLength= parserFirstTwoCharOfThree(countInputLength, outputList, strings, prefixWord);

return countInputLength;

}

outputList.add(strings[StablePOS.INT\_ZERO]);

prefixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, prefixWord[StablePOS.INT\_ZERO].length());

prefixWord[StablePOS.INT\_ZERO].append(strings[StablePOS.INT\_ZERO]);

return StablePOS.INT\_ONE;

}

}

POSControllerCognitionImp, 语义处理类

package OEI.ME.pos.E;

import java.util.List;

import java.util.Map;

import AVQ.ASQ.OVQ.OSQ.VSQ.obj.WordFrequency;

import OCI.ME.pos.C.POS\_C;

public class POS\_C\_Cognition\_E implements POS\_C{

@Override

public int chuLiBaDongCiOfTwo(Map<String, String> wordsForest, List<String> outputList, int countInputStringLength,

String[] strings, StringBuilder[] prefixWord) {

return 0;

}

@Override

public int chuLiMingCiOfTwo(Map<String, String> wordsForest, List<String> outputList, int countInputStringLength,

String[] strings, StringBuilder[] fixWord, int charPosition, String inputString) {

return 0;

}

@Override

public void I\_FixWordsOfTwo(int charPosition, String inputString, StringBuilder[] fixWords) {

}

@Override

public int parserFirstCharOfTwo(int countInputStringLength, List<String> outputList, String[] strings,

StringBuilder[] fixWord) {

return 0;

}

@Override

public int chuLiLianCiOfThree(Map<String, String> wordsForest, List<String> outputList, int countInputStringLength,

String[] strings, StringBuilder[] fixWord) {

return 0;

}

@Override

public int loopCheckBackFix(StringBuilder[] fixWord, int backPosition, Map<String, String> wordsForest,

int countInputStringLength, List<String> outputList, String[] strings, int[] nestCountInputStringLength) {

return 0;

}

@Override

public void didNotFindFirstChar(List<String> outputList, String[] strings, StringBuilder[] fixWord,

Map<String, String> wordsForest) {

}

@Override

public int parserFirstCharOfThree(int countInputStringLength, List<String> outputList, String[] strings,

StringBuilder[] fixWord) {

return 0;

}

@Override

public int parserFirstTwoCharOfThree(int countInputStringLength, List<String> outputList, String[] strings,

StringBuilder[] fixWord) {

return 0;

}

@Override

public int chuLiZhuCiOfThree(Map<String, String> wordsForest, List<String> outputList, int countInputStringLength,

String[] strings, StringBuilder[] fixWord) {

return 0;

}

@Override

public int chuLiJieCiOfThree(Map<String, String> wordsForest, List<String> outputList, int countInputStringLength,

String[] strings, StringBuilder[] fixWord) {

return 0;

}

@Override

public int chuLiLiangCiOfThree(Map<String, String> wordsForest, List<String> outputList, int countInputStringLength,

String[] strings, StringBuilder[] fixWord) {

return 0;

}

@Override

public int chuLiMingCiOfTwoForMap(Map<String, String> wordsForest, Map<String, WordFrequency> outputList,

int countInputStringLength, String[] strings, StringBuilder[] fixWord) {

return 0;

}

@Override

public int parserFirstCharOfTwoForMap(int countInputStringLength, Map<String, WordFrequency> outputList,

String[] strings, StringBuilder[] fixWord, Map<String, String> wordsForest) {

return 0;

}

@Override

public int chuLiLiangCiOfThreeForMap(Map<String, String> wordsForest, Map<String, WordFrequency> outputList,

int countInputStringLength, String[] strings, StringBuilder[] fixWord) {

return 0;

}

@Override

public int chuLiJieCiOfThreeForMap(Map<String, String> wordsForest, Map<String, WordFrequency> outputList,

int countInputStringLength, String[] strings, StringBuilder[] fixWord) {

return 0;

}

@Override

public int chuLiLianCiOfThreeForMap(Map<String, String> wordsForest, Map<String, WordFrequency> outputList,

int countInputStringLength, String[] strings, StringBuilder[] fixWord) {

return 0;

}

@Override

public int loopCheckBackFixForMap(StringBuilder[] fixWord, int backPosition, Map<String, String> wordsForest,

int countInputStringLength, Map<String, WordFrequency> outputList, String[] strings,

int[] nestCountInputStringLength) {

return 0;

}

@Override

public int chuLiZhuCiOfThreeForMap(Map<String, String> wordsForest, Map<String, WordFrequency> outputList,

int countInputStringLength, String[] strings, StringBuilder[] fixWord) {

return 0;

}

@Override

public void didNotFindFirstCharForMap(Map<String, WordFrequency> outputList, String[] strings,

StringBuilder[] fixWord, Map<String, String> wordsForest) {

}

@Override

public int parserFirstCharOfThreeForMap(int countInputStringLength, Map<String, WordFrequency> outputList,

String[] strings, StringBuilder[] fixWord, Map<String, String> wordsForest) {

return 0;

}

@Override

public int chuLiMingCiOfThree(Map<String, String> wordsForest, List<String> outputList, int countInputStringLength,

String[] strings, StringBuilder[] fixWord) {

return 0;

}

@Override

public int chuLiShiTaiCiOfThree(Map<String, String> wordsForest, List<String> outputList, int countInputLength,

String[] strings, StringBuilder[] prefixWord) {

return 0;

}

@Override

public int chuLiFuCiOfThree(Map<String, String> wordsForest, List<String> outputList, int countInputLength,

String[] strings, StringBuilder[] prefixWord) {

return 0;

}

@Override

public int chuLiLianCiPostFixOfThree(Map<String, String> wordsForest, List<String> outputList, int countInputLength,

String[] strings, StringBuilder[] prefixWord) {

return 0;

}

}

NLPController, 自然语言处理类

package OCI.ME.nlp.C;

import java.util.List;

import java.util.Map;

import AVQ.ASQ.OVQ.OSQ.VSQ.obj.WordFrequency;

//import OCI.ME.pos.C.POS\_C;

//import OCI.ME.pos.C.Pos\_C\_XCDX;

import OCI.ME.pos.C.Pos\_C\_XCDX\_P;

public interface NLP\_C {

public int doSlangPartAndPOSCheckForTwoChar(int countInputStringLength, List<String> outputList

, StringBuilder stringBuilder, Map<String, String> wordsForest, StringBuilder[] prefixWord, Pos\_C\_XCDX\_P posUtils, int charPosition, String textInputString);

public int doPOSAndEMMCheckOfThree(int countInputLength, List<String> outputList

, Map<String, String> wordsForest, StringBuilder stringBuilder, StringBuilder[] prefixWord

, Pos\_C\_XCDX\_P posUtils, int charPosition, String textInputString);

public int doSlangCheck(int countInputStringLength, List<String> output, StringBuilder stringBuilder,Map<String, String> wordsForest, StringBuilder[] prefixWord, Pos\_C\_XCDX\_P posUtils, int charPosition, String textInputString);

public int doSlangCheckForMap(int countInputStringLength, List<String> output, StringBuilder stringBuilder, Map<String, String> wordsForest, StringBuilder[] prefixWord, Pos\_C\_XCDX\_P posUtils, int charPosition, String textInputString);

public int doSlangPartAndPOSCheckForTwoCharForMap(int countInputStringLength, Map<String, WordFrequency> outputList

, StringBuilder stringBuilder, Map<String, String> wordsForest, StringBuilder[] prefixWord

, Pos\_C\_XCDX\_P posUtils);

public int doPOSAndEMMCheckOfThreeForMap(int countInputLength, Map<String, WordFrequency> outputList

, Map<String, String> wordsForest, StringBuilder stringBuilder, StringBuilder[] prefixWord, Pos\_C\_XCDX\_P posUtils);

public int doSlangCheckForMap(int countInputStringLength, Map<String, WordFrequency> output, StringBuilder stringBuilder

, Map<String, String> wordsForest, StringBuilder[] prefixWord, Pos\_C\_XCDX\_P posUtils);

}

NLPControllerImp, 自然语言处理类

package OEI.ME.nlp.E;

import java.util.List;

import java.util.Map;

import AVQ.ASQ.OVQ.OSQ.VSQ.obj.WordFrequency;

import SVQ.stable.StablePOS;

import SVQ.stable.StableMaps;

import ME.utils.WordForestUtil;

import OCI.ME.nlp.C.NLP\_C;

import OCI.ME.pos.C.POS\_C;

public class NLP\_CE implements NLP\_C{

public int doSlangPartAndPOSCheckForTwoChar(int countInputStringLength, List<String> outputList

, StringBuilder stringBuilder, Map<String, String> wordsForest, StringBuilder[] prefixWord

, POS\_C posUtils, int charPosition, String textInputString){

String countWordNode= stringBuilder.toString();

if (prefixWord[StablePOS.INT\_ZERO].length()== StablePOS.INT\_ZERO){

if(StableMaps.CiTwo.containsKey(countWordNode)) {

prefixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, prefixWord[StablePOS.INT\_ZERO].length());

prefixWord[StablePOS.INT\_ZERO].append(countWordNode);

outputList.add(countWordNode);

return countInputStringLength;

}

prefixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, prefixWord[StablePOS.INT\_ZERO].length());

prefixWord[StablePOS.INT\_ZERO].append(stringBuilder.charAt(StablePOS.INT\_ZERO));

outputList.add(StablePOS.EMPTY\_STRING+ stringBuilder.charAt(StablePOS.INT\_ZERO));

return countInputStringLength- StablePOS.INT\_ONE;

}

String[] strings= new String[StablePOS.INT\_TWO];

strings[StablePOS.INT\_ZERO]= String.valueOf(countWordNode.charAt(StablePOS.INT\_ZERO));

strings[StablePOS.INT\_ONE]= countWordNode;

if (StableMaps.mingCi.containsKey(strings[StablePOS.INT\_ZERO])){

countInputStringLength= posUtils.chuLiMingCiOfTwo(wordsForest, outputList, countInputStringLength

, strings, prefixWord, charPosition, textInputString);

return countInputStringLength;

}

if (StableMaps.baDongCi.containsKey(strings[StablePOS.INT\_ZERO])){

countInputStringLength = posUtils.chuLiBaDongCiOfTwo(wordsForest, outputList, countInputStringLength

, strings, prefixWord);

return countInputStringLength;

}

if (StableMaps.jieCi.containsKey(strings[StablePOS.INT\_ZERO].toString())){

if (StableMaps.dongCi.containsKey(prefixWord[StablePOS.INT\_ZERO].toString())){

if (!StableMaps.jieCi.containsKey(countWordNode)){

countInputStringLength= posUtils.parserFirstCharOfTwo(countInputStringLength, outputList, strings, prefixWord);

return countInputStringLength;

}

}

}

if (StableMaps.CiTwo.containsKey(countWordNode)){

prefixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, prefixWord[StablePOS.INT\_ZERO].length());

prefixWord[StablePOS.INT\_ZERO].append(countWordNode);

outputList.add(countWordNode);

return countInputStringLength;

}

countInputStringLength= posUtils.parserFirstCharOfTwo(countInputStringLength, outputList, strings, prefixWord);

return countInputStringLength;

}

public int doPOSAndEMMCheckOfThree(int countInputLength, List<String> outputList

, Map<String, String> wordsForest, StringBuilder stringBuilder, StringBuilder[] prefixWord

, POS\_C posUtils, int charPosition, String textInputString){

String inputString= stringBuilder.toString();

if (StableMaps.CiThree.containsKey(inputString)){

prefixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, prefixWord[StablePOS.INT\_ZERO].length());

prefixWord[StablePOS.INT\_ZERO].append(inputString);

outputList.add(inputString);

return countInputLength;

}

String[] strings= new String[StablePOS.INT\_FOUR];

strings[StablePOS.INT\_ZERO]= String.valueOf(inputString.charAt(StablePOS.INT\_ZERO));

strings[StablePOS.INT\_ONE]= String.valueOf(inputString.charAt(StablePOS.INT\_ZERO))

+ inputString.charAt(StablePOS.INT\_ONE);

strings[StablePOS.INT\_TWO]= String.valueOf(inputString.charAt(StablePOS.INT\_ONE))

+ inputString.charAt(StablePOS.INT\_TWO);

strings[StablePOS.INT\_THREE]= String.valueOf(inputString.charAt(StablePOS.INT\_TWO));

if (null== prefixWord[StablePOS.INT\_ZERO]){

if (StableMaps.CiThree.containsKey(inputString)){

prefixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, prefixWord[StablePOS.INT\_ZERO].length());

prefixWord[StablePOS.INT\_ZERO].append(inputString);

outputList.add(inputString);

return countInputLength;

}

StringBuilder stringsBuilder= new StringBuilder();

countInputLength= doSlangPartAndPOSCheckForTwoChar(--countInputLength, outputList

, stringsBuilder.append(strings[StablePOS.INT\_ONE]), wordsForest, prefixWord, posUtils, charPosition, textInputString);

return countInputLength;

}

if (!StableMaps.CiOne.containsKey(strings[StablePOS.INT\_ZERO])){

StringBuilder stringsBuilder= new StringBuilder();

countInputLength= doSlangPartAndPOSCheckForTwoChar(--countInputLength, outputList, stringsBuilder.append(strings[StablePOS.INT\_ONE]), wordsForest, prefixWord, posUtils, charPosition, textInputString);

return countInputLength;

}

if(StableMaps.lianCi.containsKey(strings[StablePOS.INT\_THREE])) {

countInputLength = posUtils.chuLiLianCiPostFixOfThree(wordsForest, outputList, countInputLength, strings, prefixWord);

return countInputLength;

}

if (StableMaps.lianCi.containsKey(strings[StablePOS.INT\_ZERO])){

countInputLength = posUtils.chuLiLianCiOfThree(wordsForest, outputList, countInputLength, strings, prefixWord);

return countInputLength;

}

if (StableMaps.jieCi.containsKey(strings[StablePOS.INT\_ZERO])){

countInputLength = posUtils.chuLiJieCiOfThree(wordsForest, outputList, countInputLength, strings, prefixWord);

return countInputLength;

}

if (StableMaps.zhuCi.containsKey(strings[StablePOS.INT\_ZERO])){

countInputLength = posUtils.chuLiZhuCiOfThree(wordsForest, outputList, countInputLength, strings, prefixWord);

return countInputLength;

}

if (StableMaps.liangCi.containsKey(strings[StablePOS.INT\_ZERO])){

countInputLength = posUtils.chuLiLiangCiOfThree(wordsForest, outputList, countInputLength, strings, prefixWord);

return countInputLength;

}

if (StableMaps.mingCi.containsKey(strings[StablePOS.INT\_ZERO])){

countInputLength= posUtils.chuLiMingCiOfThree(wordsForest, outputList, countInputLength, strings, prefixWord);

return countInputLength;

}

if (StableMaps.shiTaiCi.containsKey(strings[StablePOS.INT\_ZERO])){

countInputLength= posUtils.chuLiShiTaiCiOfThree(wordsForest, outputList, countInputLength, strings, prefixWord);

return countInputLength;

}

if (StableMaps.dongCi.containsKey(strings[StablePOS.INT\_ZERO])||StableMaps.fuCi.containsKey(strings[StablePOS.INT\_ZERO])){

if(StableMaps.zhuCi.containsKey(prefixWord[StablePOS.INT\_ZERO].toString())

&& (StableMaps.liangCi.containsKey(strings[StablePOS.INT\_TWO])

|| StableMaps.jieCi.containsKey(strings[StablePOS.INT\_TWO]))) {

countInputLength = posUtils.parserFirstCharOfThree(countInputLength, outputList, strings, prefixWord);

return countInputLength;

}

if(StableMaps.fuCi.containsKey(strings[StablePOS.INT\_TWO])||StableMaps.mingCi.containsKey(strings[StablePOS.INT\_TWO])

||StableMaps.daiCi.containsKey(strings[StablePOS.INT\_TWO])) {

countInputLength = posUtils.parserFirstCharOfThree(countInputLength, outputList, strings, prefixWord);

return countInputLength;

}

}

if (StableMaps.fuCi.containsKey(strings[StablePOS.INT\_ZERO])){

countInputLength= posUtils.chuLiFuCiOfThree(wordsForest, outputList, countInputLength, strings, prefixWord);

return countInputLength;

}

if(StableMaps.CiTwo.containsKey(strings[StablePOS.INT\_ONE])) {

StringBuilder stringsBuilder= new StringBuilder();

countInputLength= doSlangPartAndPOSCheckForTwoChar(--countInputLength, outputList, stringsBuilder.append(strings[StablePOS.INT\_ONE])

, wordsForest, prefixWord, posUtils, charPosition, textInputString);

return countInputLength;

}

outputList.add(strings[StablePOS.INT\_ZERO]);

prefixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, prefixWord[StablePOS.INT\_ZERO].length());

prefixWord[StablePOS.INT\_ZERO].append(strings[StablePOS.INT\_ZERO]);

return StablePOS.INT\_ONE;

}

// 2个月研究发现 词性越来越多, 根据笛摩根定律, 先把未知词汇也添加到条件中. 之后采用 排除法优化.

// if(StableMaps.jieCi.containsKey(preRegister)|| StableMaps.mingCi.containsKey(preRegister)|| StableMaps.xingRongCi.containsKey(preRegister)

// || StableMaps.fuCi.containsKey(preRegister)|| StableMaps.dongCi.containsKey(preRegister)|| StableMaps.lianCi.containsKey(preRegister)

// || StableMaps.liangCi.containsKey(preRegister)|| StableMaps.xingWeiCi.containsKey(preRegister)|| StableMaps.shiTaiCi.containsKey(preRegister)

// || StableMaps.zhuCi.containsKey(preRegister)) {

//if(StableMaps.mingCi.containsKey(postRegister)|| StableMaps.dongCi.containsKey(postRegister)|| StableMaps.lianCi.containsKey(postRegister)

//|| StableMaps.xingRongCi.containsKey(postRegister)|| StableMaps.xingWeiCi.containsKey(postRegister)|| StableMaps.liangCi.containsKey(preRegister)

//|| StableMaps.fuCi.containsKey(postRegister)|| StableMaps.jieCi.containsKey(postRegister)) {

public int doSlangCheck(int countInputStringLength, List<String> output, StringBuilder stringBuilder,

Map<String, String> wordsForest, StringBuilder[] prefixWord, POS\_C posUtils, int charPosition, String textInputString){

String inputString = stringBuilder.toString();

if (StableMaps.CiFour.containsKey(inputString)){

output.add(inputString);

prefixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, prefixWord[StablePOS.INT\_ZERO].length());

prefixWord[StablePOS.INT\_ZERO].append(inputString);

return countInputStringLength;

}//will make pre 3 or post 3 check. now finished pre 3 .20190330

String preRegister= StablePOS.EMPTY\_STRING+ inputString.charAt(StablePOS.INT\_ZERO)+ inputString.charAt(StablePOS.INT\_ONE);

String inRegister= StablePOS.EMPTY\_STRING+ inputString.charAt(StablePOS.INT\_ONE)+ inputString.charAt(StablePOS.INT\_TWO);

String postRegister= StablePOS.EMPTY\_STRING+ inputString.charAt(StablePOS.INT\_TWO)+ inputString.charAt(StablePOS.INT\_THREE);

if(StableMaps.dongCi.containsKey(StablePOS.EMPTY\_STRING+ inputString.charAt(StablePOS.INT\_THREE)

+ prefixWord[StablePOS.INT\_ONE].charAt(StablePOS.INT\_ZERO))) {

countInputStringLength= doPOSAndEMMCheckOfThree(--countInputStringLength, output, wordsForest

, stringBuilder.delete(StablePOS.INT\_THREE, StablePOS.INT\_FOUR), prefixWord, posUtils, charPosition, textInputString);

return countInputStringLength;

}

if (StableMaps.CiTwo.containsKey(preRegister)){

if (StableMaps.CiTwo.containsKey(postRegister)){

String string= StablePOS.EMPTY\_STRING+ inputString.charAt(StablePOS.INT\_ZERO);

if(StableMaps.xingWeiCi.containsKey(prefixWord[StablePOS.INT\_ZERO].toString())

&&StableMaps.shiTaiCi.containsKey(string)) {

output.add(string);

prefixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, prefixWord[StablePOS.INT\_ZERO].length());

prefixWord[StablePOS.INT\_ZERO].append(string);

return countInputStringLength- StablePOS.INT\_THREE;

}

if(StableMaps.zhuCi.containsKey(string)){

String[] strings= new String[StablePOS.INT\_FOUR];

strings[StablePOS.INT\_ZERO]= String.valueOf(inputString.charAt(StablePOS.INT\_ZERO));

strings[StablePOS.INT\_ONE]= String.valueOf(inputString.charAt(StablePOS.INT\_ZERO))

+ inputString.charAt(StablePOS.INT\_ONE);

strings[StablePOS.INT\_TWO]= String.valueOf(inputString.charAt(StablePOS.INT\_ONE))

+ inputString.charAt(StablePOS.INT\_TWO);

strings[StablePOS.INT\_THREE]= String.valueOf(inputString.charAt(StablePOS.INT\_TWO));

countInputStringLength= posUtils.chuLiZhuCiOfThree(wordsForest, output, countInputStringLength-StablePOS.INT\_ONE, strings, prefixWord);

return countInputStringLength;

}

output.add(preRegister);

prefixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, prefixWord[StablePOS.INT\_ZERO].length());

prefixWord[StablePOS.INT\_ZERO].append(preRegister);

return countInputStringLength-StablePOS.INT\_TWO;

}

}

if(StableMaps.CiThree.containsKey(preRegister+ inputString.charAt(StablePOS.INT\_TWO))&& !StableMaps.CiTwo.containsKey(postRegister)) {

prefixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, prefixWord[StablePOS.INT\_ZERO].length());

prefixWord[StablePOS.INT\_ZERO].append(preRegister+ inputString.charAt(StablePOS.INT\_TWO));

output.add(preRegister+ inputString.charAt(StablePOS.INT\_TWO));

return countInputStringLength- StablePOS.INT\_ONE ;

}

if(StableMaps.CiTwo.containsKey(preRegister)&& StableMaps.CiTwo.containsKey(inRegister)) {

countInputStringLength= doPOSAndEMMCheckOfThree(--countInputStringLength, output, wordsForest

, stringBuilder.delete(StablePOS.INT\_THREE, StablePOS.INT\_FOUR), prefixWord, posUtils, charPosition, textInputString);

return countInputStringLength;

}

if(StableMaps.CiTwo.containsKey(preRegister)) {

countInputStringLength= doSlangPartAndPOSCheckForTwoChar(countInputStringLength- StablePOS.INT\_TWO, output

, stringBuilder.delete(StablePOS.INT\_TWO, StablePOS.INT\_FOUR), wordsForest, prefixWord, posUtils, charPosition, textInputString);

return countInputStringLength;

}

output.add(StablePOS.EMPTY\_STRING+ inputString.charAt(StablePOS.INT\_ZERO));

prefixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, prefixWord[StablePOS.INT\_ZERO].length());

prefixWord[StablePOS.INT\_ZERO].append(StablePOS.EMPTY\_STRING+ inputString.charAt(StablePOS.INT\_ZERO));

return countInputStringLength= StablePOS.INT\_ONE;

}

//卡诺图化简.PCA阀门分流. 卷积催化, .原来备注这里 ,20190523

// if(!wordsForest.containsKey(preRegister)&& (wordsForest.containsKey(inRegister)||wordsForest.containsKey(postRegister))) {

// if(wordsForest.containsKey(preRegister+ inputString.charAt(StableData.INT\_TWO))) {

//output.add(preRegister+ inputString.charAt(StableData.INT\_TWO));

//prefixWord[StableData.INT\_ZERO].delete(StableData.INT\_ZERO, prefixWord[StableData.INT\_ZERO].length());

//prefixWord[StableData.INT\_ZERO].append(preRegister+ inputString.charAt(StableData.INT\_TWO));

//return countInputStringLength- StableData.INT\_ONE;

// }

// output.add(StableData.EMPTY\_STRING+ inputString.charAt(StableData.INT\_ZERO));

// prefixWord[StableData.INT\_ZERO].delete(StableData.INT\_ZERO, prefixWord[StableData.INT\_ZERO].length());

// prefixWord[StableData.INT\_ZERO].append(StableData.EMPTY\_STRING+ inputString.charAt(StableData.INT\_ZERO));

// return countInputStringLength- StableData.INT\_THREE;

//}

//if(wordsForest.containsKey(preRegister)&& wordsForest.containsKey(inRegister+ inputString.charAt(StableData.INT\_THREE))) {

// countInputStringLength= doPOSAndEMMCheckOfThree(--countInputStringLength, output, wordsForest

// , stringBuilder.delete(StableData.INT\_THREE, StableData.INT\_FOUR), prefixWord, posUtils, charPosition, textInputString);

// return countInputStringLength;

//}

//if(wordsForest.containsKey(preRegister)) {

// countInputStringLength= doPOSAndEMMCheckOfThree(--countInputStringLength, output, wordsForest

// , stringBuilder.delete(StableData.INT\_THREE, StableData.INT\_FOUR), prefixWord, posUtils, charPosition, textInputString);

// return countInputStringLength;

//}

public int doSlangCheckForMap(int countInputStringLength, List<String> output, StringBuilder stringBuilder

, Map<String, String> wordsForest, StringBuilder[] prefixWord, POS\_C posUtils, int charPosition, String textInputString){

String inputString= stringBuilder.toString();

if (wordsForest.containsKey(inputString)){

output.add(inputString);

prefixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, prefixWord[StablePOS.INT\_ZERO].length());

prefixWord[StablePOS.INT\_ZERO].append(inputString);

return countInputStringLength;

}

countInputStringLength= doPOSAndEMMCheckOfThree(--countInputStringLength, output, wordsForest

, stringBuilder.delete(StablePOS.INT\_THREE, StablePOS.INT\_FOUR), prefixWord, posUtils, charPosition, textInputString);

return countInputStringLength;

}

public int doSlangPartAndPOSCheckForTwoCharForMap(int countInputStringLength, Map<String, WordFrequency> outputList

, StringBuilder stringBuilder, Map<String, String> wordsForest, StringBuilder[] prefixWord

, POS\_C posUtils){

String countWordNode= stringBuilder.toString();

if (!wordsForest.containsKey(countWordNode)){

WordForestUtil.wordsForestNotContainsKey(outputList, countWordNode, prefixWord);

return --countInputStringLength;

}

if (prefixWord[StablePOS.INT\_ZERO].length()== StablePOS.INT\_ZERO){

WordForestUtil.prefixWordEqualZero(outputList, countWordNode, prefixWord);

return countInputStringLength;

}

String[] strings= new String[StablePOS.INT\_TWO];

strings[StablePOS.INT\_ZERO]= String.valueOf(countWordNode.charAt(StablePOS.INT\_ZERO));

strings[StablePOS.INT\_ONE]= String.valueOf(countWordNode.charAt(StablePOS.INT\_ZERO))

+ String.valueOf(countWordNode.charAt(StablePOS.INT\_ONE));

if (wordsForest.containsKey(strings[StablePOS.INT\_ZERO])){

if (wordsForest.get(strings[StablePOS.INT\_ZERO]).contains(StablePOS.NLP\_CI\_MING)){

countInputStringLength= posUtils.chuLiMingCiOfTwoForMap(wordsForest, outputList, countInputStringLength

, strings, prefixWord);

return countInputStringLength;

}

}

if (wordsForest.containsKey(strings[StablePOS.INT\_ONE])){

WordForestUtil.wordsForestContainsKey(outputList, countWordNode, prefixWord);

return countInputStringLength;

}

return StablePOS.INT\_ZERO;

}

public int doPOSAndEMMCheckOfThreeForMap(int countInputLength, Map<String, WordFrequency> outputList

, Map<String, String> wordsForest, StringBuilder stringBuilder, StringBuilder[] prefixWord, POS\_C posUtils){

String inputString= stringBuilder.toString();

if (wordsForest.containsKey(inputString)){

WordForestUtil.wordsForestContainsKey(outputList, inputString, prefixWord);

return countInputLength;

}

String[] strings= new String[StablePOS.INT\_FOUR];

strings[StablePOS.INT\_ZERO]= String.valueOf(inputString.charAt(StablePOS.INT\_ZERO));

strings[StablePOS.INT\_ONE]= String.valueOf(inputString.charAt(StablePOS.INT\_ZERO))

+ inputString.charAt(StablePOS.INT\_ONE);

strings[StablePOS.INT\_TWO]= String.valueOf(inputString.charAt(StablePOS.INT\_ONE)

+ inputString.charAt(StablePOS.INT\_TWO));

strings[StablePOS.INT\_THREE]= String.valueOf(inputString.charAt(StablePOS.INT\_TWO));

if (null== prefixWord[StablePOS.INT\_ZERO]){

if (wordsForest.containsKey(inputString)){

WordForestUtil.wordsForestContainsKey(outputList, inputString, prefixWord);

return countInputLength;

}

StringBuilder stringsBuilder= new StringBuilder();

countInputLength= doSlangPartAndPOSCheckForTwoCharForMap(--countInputLength, outputList

, stringsBuilder.append(strings[StablePOS.INT\_ONE]), wordsForest, prefixWord, posUtils);

return countInputLength;

}

if (!wordsForest.containsKey(strings[StablePOS.INT\_ZERO])){

StringBuilder stringsBuilder= new StringBuilder();

countInputLength= doSlangPartAndPOSCheckForTwoCharForMap(--countInputLength, outputList

, stringsBuilder.append(strings[StablePOS.INT\_ONE]), wordsForest, prefixWord, posUtils);

return countInputLength;

}

if (StableMaps.zhuCi.containsKey(strings[StablePOS.INT\_ZERO])){

countInputLength= posUtils.chuLiZhuCiOfThreeForMap(wordsForest, outputList, countInputLength

, strings, prefixWord);

return countInputLength;

}

if (StableMaps.liangCi.containsKey(strings[StablePOS.INT\_ZERO])){

countInputLength= posUtils.chuLiLiangCiOfThreeForMap(wordsForest, outputList, countInputLength

, strings, prefixWord);

return countInputLength;

}

if (StableMaps.zhuCi.containsKey(strings[StablePOS.INT\_ZERO])){

countInputLength= posUtils.chuLiJieCiOfThreeForMap(wordsForest, outputList, countInputLength

, strings, prefixWord);

return countInputLength;

}

if (StableMaps.lianCi.containsKey(strings[StablePOS.INT\_ZERO])){

countInputLength= posUtils.chuLiLianCiOfThreeForMap(wordsForest, outputList, countInputLength

, strings, prefixWord);

return countInputLength;

}

StringBuilder stringsBuilder= new StringBuilder();

countInputLength= doSlangPartAndPOSCheckForTwoCharForMap(--countInputLength, outputList

, stringsBuilder.append(strings[StablePOS.INT\_ONE]), wordsForest, prefixWord, posUtils);

return countInputLength;

}

public int doSlangCheckForMap(int countInputStringLength, Map<String, WordFrequency> output, StringBuilder stringBuilder

, Map<String, String> wordsForest, StringBuilder[] prefixWord, POS\_C posUtils){

String inputString= stringBuilder.toString();

if (wordsForest.containsKey(inputString)){

WordForestUtil.wordsForestContainsKey(output, inputString, prefixWord);

return countInputStringLength;

}

if(StableMaps.mingCi.containsKey(StablePOS.EMPTY\_STRING+ inputString.charAt(StablePOS.INT\_ZERO)+ inputString.charAt(StablePOS.INT\_ONE))) {

if(StableMaps.mingCi.containsKey(StablePOS.EMPTY\_STRING+ inputString.charAt(StablePOS.INT\_TWO)+ inputString.charAt(StablePOS.INT\_THREE))) {

WordForestUtil.wordsForestContainsKey(output, StablePOS.EMPTY\_STRING+ inputString.charAt(StablePOS.INT\_ZERO)+ inputString.charAt(StablePOS.INT\_ONE), prefixWord);

return countInputStringLength;

}

}

countInputStringLength= doPOSAndEMMCheckOfThreeForMap(--countInputStringLength, output, wordsForest

, stringBuilder.delete(StablePOS.INT\_THREE, StablePOS.INT\_FOUR), prefixWord, posUtils);

return countInputStringLength;

}

}

NEROController, 神经网络索引类

package OCI.ME.nero.C;

import java.util.Map;

import SVQ.stable.StablePOS;

public interface NERO\_C {

@SuppressWarnings(StablePOS.RAW\_TYPES)

StringBuilder getBinaryForestRecurWord(StringBuilder inputStringWordNode, String inputString, int charPosition

, int inputStringLength, Map<Integer, Map> forestRoots, int forestDepth, int charPositionNext);

}

NEROControllerOneTimeImp, 神经网络索引类

package OEI.ME.nero.E;

import java.util.Map;

import AVQ.ASQ.OVQ.OSQ.VSQ.obj.FMHMMNode;

import SVQ.stable.StablePOS;

import OCI.ME.nero.C.NERO\_C\_OneTime;

//著作权人+作者= 罗瑶光

public class NERO\_C\_OneTime\_E implements NERO\_C\_OneTime {

public StringBuilder getBinaryForestRecurWordOneTime(StringBuilder outputWordNode, String inputString

, int charPosition, int inputStringLength, Map<Long, FMHMMNode> forestRoots, int forestDepth

, int charPositionNext) {

if (StablePOS.INT\_THREE== forestDepth){

return outputWordNode;

}

FMHMMNode fFHMMNode= forestRoots.get(Long.valueOf(inputString.charAt(charPosition)));

if (null== fFHMMNode) {

return outputWordNode;

}

Map<String, Integer> outputList= fFHMMNode.getNext();

if (null== outputList || charPositionNext>= inputStringLength) {

return outputWordNode;

}

char positionOfi= inputString.charAt(charPositionNext);

if (outputList.containsKey(String.valueOf(positionOfi))) {

outputWordNode = getBinaryForestRecurWordOneTime(outputWordNode.append(positionOfi), inputString, charPositionNext, inputStringLength, forestRoots, ++forestDepth, ++charPositionNext);

}

return outputWordNode;

}

//prepare for the big map collection in the future.

public StringBuilder getBinaryForestsRecurWordOneTime(StringBuilder outputWordNode, String inputString

, int charPosition, int inputStringLength, Map<Long, FMHMMNode>[] forestsRoots, int forestDepth

,int charPositionNext) {

if (StablePOS.INT\_THREE== forestDepth){

return outputWordNode;

}

FMHMMNode fFHMMNode= getFMHMMNode(forestsRoots,inputString,charPosition);

if (null== fFHMMNode) {

return outputWordNode;

}

Map<String, Integer> outputList= fFHMMNode.getNext();

if (null== outputList|| charPositionNext>= inputStringLength) {

return outputWordNode;

}

char positionOfi= inputString.charAt(charPositionNext);

if (outputList.containsKey(String.valueOf(positionOfi))) {

outputWordNode= getBinaryForestsRecurWordOneTime(outputWordNode.append(positionOfi), inputString, charPositionNext

, inputStringLength, forestsRoots, ++forestDepth, ++charPositionNext);

}

return outputWordNode;

}

private FMHMMNode getFMHMMNode(Map<Long, FMHMMNode>[] forestsRoots, String inputString, int charPosition) {

for(Map<Long, FMHMMNode> forestsRoot: forestsRoots) {

if(forestsRoot.containsKey(Long.valueOf(inputString.charAt(charPosition)))){

return forestsRoot.get(Long.valueOf(inputString.charAt(charPosition)));

}

}

return null;

}

public StringBuilder getQuickForestRecurWord(StringBuilder outputWordNode, String inputString, int charPosition

, int inputStringLength, Map<String, String> posCntoCn, int forestDepth, int charPositionNext ) {

if (StablePOS.INT\_THREE== forestDepth|| charPositionNext>= inputStringLength) {

return outputWordNode;

}

char positionOfi= inputString.charAt(charPositionNext);

if (posCntoCn.containsKey(String.valueOf(outputWordNode.toString()+ positionOfi))) {

outputWordNode= getQuickForestRecurWord(outputWordNode.append(positionOfi), inputString

, charPositionNext, inputStringLength, posCntoCn, ++forestDepth, ++charPositionNext);

}

return outputWordNode;

}

}

NEROControllerImp, 神经网络索引类

package OEI.ME.nero.E;

import java.util.Map;

import AVQ.ASQ.OVQ.OSQ.VSQ.obj.FMHMMNode;

import SVQ.stable.StablePOS;

import OCI.ME.nero.C.NERO\_C;

public class NERO\_CE implements NERO\_C {

@SuppressWarnings({StablePOS.RAW\_TYPES, StablePOS.UNCHECKED})

public StringBuilder getBinaryForestRecurWord(StringBuilder outputWordNode, String inputString, int charPosition

, int inputStringLength, Map<Integer, Map> forestRoots, int forestDepth, int charPositionNext ) {

if (StablePOS.INT\_THREE== forestDepth) {

return outputWordNode;

}

char charAtPosition= inputString.charAt(charPosition);

int rangeHigh= charAtPosition>> StablePOS.INT\_TEN;

Map<Integer, Map> trees= forestRoots.get(rangeHigh);

if (null== trees) {

return outputWordNode;

}

int range= charAtPosition>> StablePOS.INT\_SIX;

if (!trees.containsKey(range)) {

return outputWordNode;

}

Map<Long, FMHMMNode> maps= trees.get(range);

FMHMMNode fFHMMNode= maps.get(Long.valueOf(charAtPosition));

if (null== fFHMMNode) {

return outputWordNode;

}

Map<String, Integer> outputList= fFHMMNode.getNext();

if (null== outputList||charPositionNext>= inputStringLength) {

return outputWordNode;

}

char positionOfi= inputString.charAt(charPositionNext);

if (outputList.containsKey(String.valueOf(positionOfi))) {

outputWordNode= getBinaryForestRecurWord(outputWordNode.append(positionOfi), inputString

, charPositionNext, inputStringLength, forestRoots

, forestDepth+ StablePOS.INT\_ONE, ++charPositionNext);

}

return outputWordNode;

}

}

Quick6DLuoYaoguangSortImp, 极快速排序类

package OEI.ME.liner.E;

import java.util.ArrayList;

import java.util.Iterator;

import java.util.List;

import java.util.Map;

import AVQ.ASQ.OVQ.OSQ.VSQ.obj.WordFrequency;

import SVQ.stable.StablePOS;

import OCI.ME.liner.C.Quick6DLuoYaoguangSort;

/\*

\*\* 快排6小高峰修正算法 作者 罗瑶光

\*\* 快排10小高峰修正算法 作者 罗瑶光 20200921

\*/

public class Quick6DLuoYaoguangSort\_E implements Quick6DLuoYaoguangSort {

public void quick6DLuoYaoGuangSortWordFrequency(List<WordFrequency> list, int leftPosition, int rightPosition) {

int c= rightPosition- leftPosition+ StablePOS.INT\_ONE;

if(c> StablePOS.INT\_FOUR) {

int pos = partition(list, leftPosition, rightPosition);

if(leftPosition< pos- StablePOS.INT\_ONE) {

quick6DLuoYaoGuangSortWordFrequency(list, leftPosition, pos - StablePOS.INT\_ONE);

}

if(pos+ StablePOS.INT\_ONE< leftPosition) {

quick6DLuoYaoGuangSortWordFrequency(list, ++ pos, rightPosition);

}

return;

}

int i= leftPosition;

for(int j= i+ StablePOS.INT\_ONE; j< leftPosition+ c; j= i++){

while(j> leftPosition){

if (list.get(j).getFrequency()< list.get(--j).getFrequency()) {

WordFrequency wordFrequency = list.get(j+ StablePOS.INT\_ONE);

list.set(j+ StablePOS.INT\_ONE, list.get(j));

list.set(j, wordFrequency);

}

}

}

}

public int partition(List<WordFrequency> list, int leftPosition, int rightPosition) {

int leftPositionNew= leftPosition;

WordFrequency wordFrequencyX= list.get(leftPosition);

WordFrequency wordFrequencyY= list.get(rightPosition);

//小高峰修正边缘均衡开始, （下面可修改为<=号 见TopSort5 描述。）

if (wordFrequencyX.getFrequency()< wordFrequencyY.getFrequency()) {

wordFrequencyY= wordFrequencyX;

}

//小高峰修正边缘均衡结束

while (leftPositionNew++ < rightPosition) {

while (!(list.get(leftPositionNew++).getFrequency()> wordFrequencyY.getFrequency())

|| (leftPositionNew> rightPosition)){

}

while (list.get(rightPosition--).getFrequency()> wordFrequencyY.getFrequency()) {

}

if (--leftPositionNew< ++rightPosition){

WordFrequency wordFrequency= list.get(rightPosition);

list.set(rightPosition, list.get(leftPositionNew));

list.set(leftPositionNew, wordFrequency);

}

}

list.set(leftPosition, list.get(rightPosition));

list.set(rightPosition, wordFrequencyY);

return rightPosition;

}

@SuppressWarnings(StablePOS.RAW\_TYPES)

public List<WordFrequency> frequencyWordMapToList(Map<String, WordFrequency> map) {

List<WordFrequency> list= new ArrayList<>();

Iterator iterator= map.keySet().iterator();

while (iterator.hasNext()) {

list.add(map.get(iterator.next()));

}

return list;

}

@Override

public void quick6DLuoYaoGuangSortWordFrequency(Map<Integer, WordFrequency> map, int leftPosition,

int rightPosition) {

}

@Override

public int partition(Map<Integer, WordFrequency> map, int leftPosition, int rightPosition) {

return StablePOS.INT\_ZERO;

}

@Override

public Map<Integer, WordFrequency> frequencyWordMapToMap(Map<String, WordFrequency> map) {

return null;

}

}

Quick6DLuoYaoguangSort3DMapImp, 极快速排序类

package OEI.ME.liner.E;

import java.util.HashMap;

import java.util.Iterator;

import java.util.List;

import java.util.Map;

//import java.util.concurrent.ConcurrentHashMap;

import AVQ.ASQ.OVQ.OSQ.VSQ.obj.WordFrequency;

import SVQ.stable.StablePOS;

import OCI.ME.liner.C.Quick6DLuoYaoguangSort;

public class Quick6DLuoYaoguangSort3DMap\_E implements Quick6DLuoYaoguangSort {

@Override

public void quick6DLuoYaoGuangSortWordFrequency(Map<Integer, WordFrequency> map, int leftPosition,

int rightPosition) {

if (leftPosition< rightPosition) {

int c= rightPosition- leftPosition + StablePOS.INT\_ONE;

if (c< StablePOS.INT\_FOUR) {

int j;

for (int i= StablePOS.INT\_ONE+ leftPosition; i< leftPosition+ c; i++) {

j= i;

while (j>= StablePOS.INT\_ONE+ leftPosition) {

if (map.get(j).getFrequency()< map.get(j- StablePOS.INT\_ONE).getFrequency()) {

WordFrequency wordFrequency= map.get(j);

map.put(j, map.get(j- StablePOS.INT\_ONE));

map.put(j- StablePOS.INT\_ONE, wordFrequency);

}

j--;

}

}

return;

}

int pos= partition(map, leftPosition, rightPosition);

quick6DLuoYaoGuangSortWordFrequency(map, leftPosition, pos- StablePOS.INT\_ONE);

quick6DLuoYaoGuangSortWordFrequency(map, ++pos, rightPosition);

}

}

@Override

public int partition(Map<Integer, WordFrequency> map, int leftPosition, int rightPosition) {

int leftPositionNew= leftPosition;

WordFrequency wordFrequencyX= map.get(leftPosition);

WordFrequency wordFrequencyY= map.get(rightPosition);

wordFrequencyY= wordFrequencyX.getFrequency()<= wordFrequencyY.getFrequency()

? wordFrequencyX: wordFrequencyY;

while (leftPositionNew< rightPosition) {

while (!(map.get(leftPositionNew++).getFrequency()> wordFrequencyY.getFrequency()

|| leftPositionNew> rightPosition)) {

}

while (map.get(rightPosition--).getFrequency()> wordFrequencyY.getFrequency()) {

}

if (--leftPositionNew< ++rightPosition) {

WordFrequency wordFrequency= map.get(rightPosition);

map.put(rightPosition, map.get(leftPositionNew));

map.put(leftPositionNew, wordFrequency);

}

}

map.put(leftPosition, map.get(rightPosition));

map.put(rightPosition, wordFrequencyY);

return rightPosition;

}

@SuppressWarnings(StablePOS.RAW\_TYPES)

public Map<Integer, WordFrequency> frequencyWordMapToMap(Map<String, WordFrequency> map) {

Map<Integer, WordFrequency> listMap= new HashMap<>();

Iterator iterator= map.keySet().iterator();

int c= StablePOS.INT\_ZERO;

while (iterator.hasNext()) {

listMap.put(c++, map.get(iterator.next()));

}

return listMap;

}

public void quick6DLuoYaoGuangSortWordFrequency(List<WordFrequency> list, int leftPosition, int rightPosition) {

}

public int partition(List<WordFrequency> list, int leftPosition, int rightPosition) {

return StablePOS.INT\_ZERO;

}

public List<WordFrequency> frequencyWordMapToList(Map<String, WordFrequency> map) {

return null;

}

}

EuclidControllerImp, 欧基里德算法类

package OEI.ME.euclid.E;

import java.util.Map;

import AVQ.ASQ.OVQ.OSQ.VSQ.obj.FMHMMNode;

import SVQ.stable.StablePOS;

import OCI.ME.euclid.C.Euclid\_C;

import java.util.HashMap;

import java.util.Iterator;

public class Euclid\_CE implements Euclid\_C {

@SuppressWarnings({StablePOS.RAW\_TYPES, StablePOS.UNCHECKED})

public Map<Integer, Map> mCogsEuclid(Map<Long, FMHMMNode> HashMap) {

Map<Integer, Map> HashMapRoot= new HashMap<>();

Iterator<Long> iter= HashMap.keySet().iterator();

Here:

while (iter.hasNext()) {

Long keyValue= iter.next();

Integer charOfKeyValueToInteger= Integer.valueOf(StablePOS.EMPTY\_STRING + keyValue);

int range= (charOfKeyValueToInteger.intValue()>> StablePOS.INT\_SIX);

int rangeHigh= range >> StablePOS.INT\_FOUR;

if (!HashMapRoot.containsKey(rangeHigh)) {

HashMap<Long, FMHMMNode> innerHashMap = new HashMap<>();

innerHashMap.put(keyValue, HashMap.get(keyValue));

HashMap<Integer, HashMap> root = new HashMap<>();

root.put(range, innerHashMap);

HashMapRoot.put(rangeHigh, root);

continue Here;

}

Map<Integer, HashMap> root= HashMapRoot.get(rangeHigh);

if (!root.containsKey(range)) {

HashMap<Long, FMHMMNode> innerHashMap = new HashMap<>();

innerHashMap.put(keyValue, HashMap.get(keyValue));

root.put(range, innerHashMap);

HashMapRoot.put(rangeHigh, root);

continue Here;

}

HashMap<Long, FMHMMNode> innerHashMap = root.get(range);

innerHashMap.put(keyValue, HashMap.get(keyValue));

root.put(range, innerHashMap);

HashMapRoot.put(rangeHigh, root);

}

return HashMapRoot;

}

}

EuclidController, 欧基里德算法类

package OCI.ME.euclid.C;

import java.util.Map;

import AVQ.ASQ.OVQ.OSQ.VSQ.obj.FMHMMNode;

import SVQ.stable.StablePOS;

public interface Euclid\_C {

@SuppressWarnings({StablePOS.RAW\_TYPES})

Map<Integer, Map> mCogsEuclid(Map<Long, FMHMMNode> concurrentHashMap);

}

Analyzer, 分词类

package OCI.ME.analysis.C;

import java.io.IOException;

import java.util.List;

//import java.util.Map;

//

//import AVQ.ASQ.OVQ.OSQ.VSQ.obj.WordFrequency;

//import OCI.AVC.SUQ.SVQ.MPC.fhmm.C.EmotionMap;

//import PEQ.AMV.ECS.test.SensingTest;

public interface A {

void IV\_() throws IOException;

void IV\_Mixed() throws IOException;

void IV\_All() throws IOException;//我给出了一个扩展多语种示例

List<String> parserString(String input);

void I\_FixWords(int charPosition, String inputString,StringBuilder[] fixWords);

String[] parserEnglishString(String englishString);

List<String> parserMixedString(String mixedString);

}

AnalyzerImp, 分词类

package OEI.ME.analysis.E;

import java.io.IOException;

import java.util.List;

import java.util.Map;

//import java.util.concurrent.ConcurrentHashMap;

import AVQ.ASQ.OVQ.OSQ.VSQ.obj.FMHMMNode;

//import AVQ.ASQ.OVQ.OSQ.VSQ.obj.WordFrequency;

import SVQ.stable.StablePOS;

//import ME.utils.WordFrequencyUtil;

import OCI.AVC.SUQ.SVQ.MPC.fhmm.C.EmotionMap;

import OCI.ME.analysis.C.A;

import OCI.ME.liner.C.Quick6DLuoYaoguangSort;

import OCI.ME.nero.C.NERO\_C\_OneTime;

//import OCI.ME.nlp.C.NLP\_C;

//import OCI.ME.pos.C.POS\_C;

//import OCI.ME.pos.C.Pos\_C\_XCDX;

import OCI.ME.pos.C.Pos\_C\_XCDX\_P;

import OCI.SVQ.MPC.fhmm.C.FHMMList;

import OEI.AVC.SUQ.SVQ.MPC.fhmm.E.EmotionMap\_E;

import OEI.ME.liner.E.Quick6DLuoYaoguangSort3DMap\_E;

import OEI.ME.nero.E.NERO\_C\_OneTime\_E;

//import OEI.ME.nlp.E.NLP\_CE;

import OEI.ME.nlp.E.Nlp\_CE\_XCDX\_S;

//import OEI.ME.pos.E.POS\_CE;

//import OEI.ME.pos.E.Pos\_CE\_XCDX;

import OEI.ME.pos.E.Pos\_CE\_XCDX\_P;

import OEI.SVQ.MPC.fhmm.E.FMHMMListOneTime\_E;

import java.util.Iterator;

import java.util.LinkedList;

import PEQ.AMV.ECS.test.SensingTest;

public class AE implements A {

protected FHMMList fHMMList;

protected NERO\_C\_OneTime neroController;

protected Nlp\_CE\_XCDX\_S nlpController;

protected Pos\_C\_XCDX\_P posController;

protected Quick6DLuoYaoguangSort quick6DLuoYaoguangSort;

protected Map<Long, FMHMMNode> forestRoots;

protected Map<Long, Map<String, String>> wordsForests;

protected Map<Long, FMHMMNode> []forestsRoots;

protected Map<String, String> wordsForest;

protected EmotionMap emotionMap;

protected SensingTest sensingTest;

public void IV\_() throws IOException {

this.fHMMList= new FMHMMListOneTime\_E();

fHMMList.index();

fHMMList.indexPosEnToCn();

fHMMList.indexPosEnToEn();

fHMMList.indexEnToCn();

fHMMList.indexCnToEn();

fHMMList.indexFullEnToCn();

fHMMList.indexFullCnToEn();

neroController= new NERO\_C\_OneTime\_E();

nlpController= new Nlp\_CE\_XCDX\_S();

posController= new Pos\_CE\_XCDX\_P();

quick6DLuoYaoguangSort= new Quick6DLuoYaoguangSort3DMap\_E();

forestRoots= fHMMList.getMap();

forestsRoots= fHMMList.getMaps();

wordsForest= fHMMList.getPosCnToCn();

wordsForests= fHMMList.getWordsForests();

}

public void IV\_Mixed() throws IOException {

this.fHMMList= new FMHMMListOneTime\_E();

fHMMList.indexMixed();

fHMMList.indexPosEnToCn();

fHMMList.indexPosEnToEn();

fHMMList.indexEnToCn();

fHMMList.indexCnToEn();

fHMMList.indexFullEnToCn();

fHMMList.indexFullCnToEn();

fHMMList.indexFullCnToPy();

fHMMList.indexFullCnToKo();;

fHMMList.indexFullCnToJp();;

fHMMList.indexFullCnToTt();

fHMMList.indexFullCnToRs();

fHMMList.indexFullCnToAb();

neroController= new NERO\_C\_OneTime\_E();

nlpController= new Nlp\_CE\_XCDX\_S();

posController= new Pos\_CE\_XCDX\_P();

quick6DLuoYaoguangSort= new Quick6DLuoYaoguangSort3DMap\_E();

forestRoots= fHMMList.getMap();

forestsRoots= fHMMList.getMaps();

wordsForest= fHMMList.getPosCnToCn();

wordsForests= fHMMList.getWordsForests();

emotionMap= new EmotionMap\_E();

emotionMap.IV\_MotivationMap();

emotionMap.IV\_NegativeMap();

emotionMap.IV\_PositiveMap();

emotionMap.IV\_TrendingMap();

emotionMap.IV\_PredictionMap();

sensingTest= new SensingTest();

}

public void IV\_All() throws IOException {

this.fHMMList= new FMHMMListOneTime\_E();

fHMMList.indexAll();

fHMMList.indexPosEnToCn();

fHMMList.indexPosEnToEn();

fHMMList.indexEnToCn();

fHMMList.indexCnToEn();

fHMMList.indexFullEnToCn();

fHMMList.indexFullCnToEn();

fHMMList.indexFullCnToPy();

fHMMList.indexFullCnToKo();;

fHMMList.indexFullCnToJp();;

fHMMList.indexFullCnToTt();

fHMMList.indexFullCnToRs();

fHMMList.indexFullCnToAb();

neroController= new NERO\_C\_OneTime\_E();

nlpController= new Nlp\_CE\_XCDX\_S();

posController= new Pos\_CE\_XCDX\_P();

quick6DLuoYaoguangSort= new Quick6DLuoYaoguangSort3DMap\_E();

forestRoots= fHMMList.getMap();

forestsRoots= fHMMList.getMaps();

wordsForest= fHMMList.getPosCnToCn();

wordsForests= fHMMList.getWordsForests();

emotionMap= new EmotionMap\_E();

emotionMap.IV\_MotivationMap();

emotionMap.IV\_NegativeMap();

emotionMap.IV\_PositiveMap();

emotionMap.IV\_TrendingMap();

emotionMap.IV\_PredictionMap();

sensingTest= new SensingTest();

}

public List<String> parserMixedString(String mixedString) {

mixedString+= StablePOS.SPACE\_STRING\_DISTINCTION;

int inputStringLength= mixedString.length();

List<String> outputList = new LinkedList<>();

int forestDepth = StablePOS.INT\_ZERO;

int countInputStringLength;

StringBuilder[] fixWords = new StringBuilder[StablePOS.INT\_TWO];

fixWords[StablePOS.INT\_ZERO] = new StringBuilder();

fixWords[StablePOS.INT\_ONE] = new StringBuilder();

StringBuilder stringBuilder = new StringBuilder();

int find = StablePOS.INT\_ZERO;

Here:

for (int charPosition = StablePOS.INT\_ZERO;charPosition<inputStringLength;charPosition

+=(countInputStringLength==StablePOS.INT\_ZERO?StablePOS.INT\_ONE:countInputStringLength)) {if(mixedString.charAt(charPosition) < StablePOS.INT\_TEN\_SOUTHANDS && charPosition < inputStringLength - StablePOS.INT\_ONE){

if(find == StablePOS.INT\_ZERO) {

fixWords[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, fixWords[StablePOS.INT\_ZERO].length());

}

fixWords[StablePOS.INT\_ZERO].append(mixedString.charAt(charPosition));

countInputStringLength = StablePOS.INT\_ONE;

find = StablePOS.INT\_ONE;

continue Here;

}

if(StablePOS.INT\_ONE == find) {

find = StablePOS.INT\_ZERO;

Iterator<String> it = fHMMList.englishStringToWordsList(fixWords[StablePOS.INT\_ZERO].toString()).iterator();

StringBuilder number= new StringBuilder();

while(it.hasNext()) {

String temp = it.next();

if(StablePOS.NUMBERS.contains(temp)) {

number.append(temp);

}else {

if(number.length()>0) {

outputList.add(number.toString());

number.delete(0, number.length());

}

outputList.add(temp);

}

}

if(number.length()>0) {

outputList.add(number.toString());

number.delete(0, number.length());

}

fixWords[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, fixWords[StablePOS.INT\_ZERO].length());

}

stringBuilder.delete(StablePOS.INT\_ZERO, stringBuilder.length());

stringBuilder = neroController.getBinaryForestRecurWordOneTime(stringBuilder.append(mixedString

.charAt(charPosition)), mixedString, charPosition, inputStringLength, forestRoots, forestDepth, charPosition + StablePOS.INT\_ONE);

String countWordNode = stringBuilder.toString();

int compare = countInputStringLength = countWordNode.length();

if (StablePOS.INT\_ONE == compare) {

outputList.add(countWordNode);

fixWords[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, fixWords[StablePOS.INT\_ZERO].length());

fixWords[StablePOS.INT\_ZERO].append(countWordNode);

continue Here;

}

if (StablePOS.INT\_TWO == compare) {

countInputStringLength = nlpController.doSlangPartAndPOSCheckForTwoChar(countInputStringLength, outputList

, stringBuilder, wordsForest, fixWords, posController, charPosition, mixedString);

continue Here;

}

if (StablePOS.INT\_THREE == compare) {

I\_FixWords(charPosition, mixedString, fixWords);

countInputStringLength = nlpController.doPOSAndEMMCheckOfThree(countInputStringLength, outputList

, wordsForest, stringBuilder, fixWords, posController, charPosition, mixedString);

continue Here;

}

if (StablePOS.INT\_FOUR == compare) {

I\_FixWords(charPosition, mixedString, fixWords);

countInputStringLength = nlpController.doSlangCheck(countInputStringLength, outputList, stringBuilder

, wordsForest, fixWords, posController, charPosition, mixedString);

}

}

return outputList;

}

public List<String> parserString(String inputString) {

List<String> outputList= new LinkedList<>();

int inputStringLength= inputString.length();

int forestDepth= StablePOS.INT\_ZERO;

int countInputStringLength;

StringBuilder[] fixWords= new StringBuilder[StablePOS.INT\_TWO];

fixWords[StablePOS.INT\_ZERO]= new StringBuilder();

fixWords[StablePOS.INT\_ONE]= new StringBuilder();

StringBuilder stringBuilder= new StringBuilder();

int find= StablePOS.INT\_ZERO;

Here:

for (int charPosition= StablePOS.INT\_ZERO; charPosition< inputStringLength; charPosition+= (countInputStringLength!= StablePOS.INT\_ZERO? countInputStringLength: StablePOS.INT\_ONE)) {

if(StablePOS.INT\_ONE\_TWO\_EIGHT> inputString.charAt(charPosition)){

if(fixWords[StablePOS.INT\_ZERO].length()> StablePOS.INT\_ZERO) {

if(fixWords[StablePOS.INT\_ZERO].charAt(fixWords[StablePOS.INT\_ZERO].length()- StablePOS.INT\_ONE)< StablePOS.INT\_ONE\_TWO\_EIGHT) { fixWords[StablePOS.INT\_ZERO].append(inputString.charAt(charPosition));

countInputStringLength= StablePOS.INT\_ONE;

find= StablePOS.INT\_ONE;

continue Here;

}

fixWords[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, fixWords[StablePOS.INT\_ZERO].length());

}

find= StablePOS.INT\_ONE; fixWords[StablePOS.INT\_ZERO].append(inputString.charAt(charPosition));

countInputStringLength= StablePOS.INT\_ONE;

continue Here;

}

if(find== StablePOS.INT\_ONE) {

find= StablePOS.INT\_ZERO;

outputList.add(fixWords[StablePOS.INT\_ZERO].toString());

}

stringBuilder.delete(StablePOS.INT\_ZERO, stringBuilder.length());

stringBuilder= neroController.getBinaryForestRecurWordOneTime(stringBuilder.append(inputString

.charAt(charPosition)), inputString, charPosition, inputStringLength, forestRoots, forestDepth, charPosition+ StablePOS.INT\_ONE);

String countWordNode= stringBuilder.toString();

int compare= countInputStringLength= countWordNode.length();

if (compare== StablePOS.INT\_ONE) {

outputList.add(countWordNode);

fixWords[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, fixWords[StablePOS.INT\_ZERO].length());

fixWords[StablePOS.INT\_ZERO].append(countWordNode);

continue Here;

}

if (compare== StablePOS.INT\_TWO) {

countInputStringLength= nlpController.doSlangPartAndPOSCheckForTwoChar(countInputStringLength, outputList

, stringBuilder, wordsForest, fixWords, posController, charPosition, inputString);

continue Here;

}

if (compare== StablePOS.INT\_THREE) {

I\_FixWords(charPosition, inputString, fixWords);

countInputStringLength= nlpController.doPOSAndEMMCheckOfThree(countInputStringLength, outputList

, wordsForest, stringBuilder, fixWords, posController, charPosition, inputString);

continue Here;

}

if (compare== StablePOS.INT\_FOUR) {

I\_FixWords(charPosition, inputString, fixWords);

countInputStringLength= nlpController.doSlangCheck(countInputStringLength, outputList, stringBuilder

, wordsForest, fixWords, posController, charPosition, inputString);

}

}

return outputList;

}

public void I\_FixWords(int charPosition, String inputString, StringBuilder[] fixWords) {

fixWords[StablePOS.INT\_ONE].delete(StablePOS.INT\_ZERO, fixWords[StablePOS.INT\_ONE].length());

if (charPosition + StablePOS.INT\_EIGHT < inputString.length()) {

fixWords[StablePOS.INT\_ONE].append(inputString.substring(charPosition + StablePOS.INT\_THREE, charPosition + StablePOS.INT\_EIGHT));

return;

}

fixWords[StablePOS.INT\_ONE].append(inputString.substring(charPosition + StablePOS.INT\_THREE, inputString.length()));

}

public String[] parserEnglishString(String englishString) {

String[] words = englishString.replaceAll(StablePOS.NLP\_SPASE\_REP, StablePOS.SPACE\_STRING).split(StablePOS.SPACE\_STRING);

if(StablePOS.INT\_ZERO == words.length ) {

return new String[] {StablePOS.SPACE\_STRING};

}

return words;

}

}

WordFrequencyUtil, 词频类

package ME.utils;

import java.util.Map;

import AVQ.ASQ.OVQ.OSQ.VSQ.obj.WordFrequency;

import SVQ.stable.StablePOS;

public class WordFrequencyUtil {

public static void WordFrequencyFindCheck(Map<String, WordFrequency> outputList,StringBuilder[] fixWords) {

String string= fixWords[StablePOS.INT\_ZERO].toString();

if (outputList.containsKey(string)) {

WordFrequency wordFrequency= outputList.get(string);

wordFrequency.I\_Frequency(wordFrequency.getFrequency() + StablePOS.INT\_ONE);

outputList.put(string, wordFrequency);

return;

}

WordFrequency wordFrequency= new WordFrequency();

wordFrequency.I\_Frequency(StablePOS.INT\_ONE);

wordFrequency.I\_Word(string);

outputList.put(string, wordFrequency);

}

public static void WordFrequencyCompareCheck(Map<String, WordFrequency> outputList , StringBuilder[] fixWords,

String countWordNode) {

if (outputList.containsKey(countWordNode)) {

WordFrequency wordFrequency=outputList.get(countWordNode);

wordFrequency.I\_Frequency(wordFrequency.getFrequency() + StablePOS.INT\_ONE);

outputList.put(countWordNode, wordFrequency);

return;

}

WordFrequency wordFrequency=new WordFrequency();

wordFrequency.I\_Frequency(StablePOS.INT\_ONE);

wordFrequency.I\_Word(fixWords[StablePOS.INT\_ZERO].toString());

outputList.put(countWordNode,wordFrequency);

}

}

WordForestUtil, 索引森林类

package ME.utils;

import java.util.Map;

import AVQ.ASQ.OVQ.OSQ.VSQ.obj.WordFrequency;

import SVQ.stable.StablePOS;

public class WordForestUtil {

public static void wordsForestNotContainsKey(Map<String, WordFrequency> outputList

, String countWordNode, StringBuilder[] prefixWord) {

String string= String.valueOf(countWordNode.charAt(StablePOS.INT\_ZERO));

if (outputList.containsKey(string)) {

WordFrequency wordFrequency = outputList.get(string);

wordFrequency.I\_Frequency(wordFrequency.getFrequency() + StablePOS.INT\_ONE);

outputList.put(string, wordFrequency);

prefixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, prefixWord[StablePOS.INT\_ZERO].length());

prefixWord[StablePOS.INT\_ZERO].append(countWordNode.charAt(StablePOS.INT\_ZERO));

return;

}

WordFrequency wordFrequency = new WordFrequency();

wordFrequency.I\_Frequency(StablePOS.INT\_ONE);

wordFrequency.I\_Word(string);

outputList.put(string, wordFrequency);

prefixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, prefixWord[StablePOS.INT\_ZERO].length());

prefixWord[StablePOS.INT\_ZERO].append(countWordNode.charAt(StablePOS.INT\_ZERO));

}

public static void prefixWordEqualZero(Map<String, WordFrequency> outputList,String countWordNode

, StringBuilder[] prefixWord) {

prefixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, prefixWord[StablePOS.INT\_ZERO].length());

prefixWord[StablePOS.INT\_ZERO].append(countWordNode);

if (outputList.containsKey(countWordNode)) {

WordFrequency wordFrequency = outputList.get(countWordNode);

wordFrequency.I\_Frequency(wordFrequency.getFrequency() + StablePOS.INT\_ONE);

outputList.put(countWordNode, wordFrequency);

return;

}

WordFrequency wordFrequency = new WordFrequency();

wordFrequency.I\_Frequency(StablePOS.INT\_ONE);

wordFrequency.I\_Word(countWordNode);

outputList.put(countWordNode, wordFrequency);

}

public static void wordsForestContainsKey(Map<String, WordFrequency> outputList,String countWordNode

, StringBuilder[] prefixWord) {

prefixWord[StablePOS.INT\_ZERO].delete(StablePOS.INT\_ZERO, prefixWord[StablePOS.INT\_ZERO].length());

prefixWord[StablePOS.INT\_ZERO].append(countWordNode);

if (outputList.containsKey(countWordNode)) {

WordFrequency wordFrequency = outputList.get(countWordNode);

wordFrequency.I\_Frequency(wordFrequency.getFrequency() + StablePOS.INT\_ONE);

outputList.put(countWordNode, wordFrequency);

return;

}

WordFrequency wordFrequency = new WordFrequency();

wordFrequency.I\_Frequency(StablePOS.INT\_ONE);

wordFrequency.I\_Word(countWordNode);

outputList.put(countWordNode, wordFrequency);

}

}

SensingMapImp, 意识类

package OEI.AMV.ECS.SVQ.MPC.SOQ.OEM.E;

import java.io.IOException;

import java.util.HashMap;

import java.util.Iterator;

import java.util.Map;

import OCI.AMV.ECS.SVQ.MPC.fhmm.C.SensingMap;

//import OCI.ME.analysis.C.A;

import OCI.ME.analysis.C.BinaryForest\_A;

public class SensingMap\_E implements SensingMap{

private Map<String, Object> lenovoMap;

@Override

public Map<String, Object> getLenovoMap() {

return this.lenovoMap;

}

@Override

public void I\_LenovoMap(Map<String, Object> lenovoMap) {

this.lenovoMap = lenovoMap;

}

@Override

public void IV\_LenovoMap(BinaryForest\_A \_A) throws IOException {

lenovoMap= new HashMap<>();

Map<String, String> CnToEnMap= \_A.getFullCnToEn();

Map<String, String> EnToCnMap= \_A.getEnToCn();

Iterator<String> iterator= CnToEnMap.keySet().iterator();

Here:

while(iterator.hasNext()) {

String word= iterator.next();

if(!CnToEnMap.containsKey(word)) {

continue Here;

}

if(!EnToCnMap.containsKey(CnToEnMap.get(word))) {

lenovoMap.put(word, word);

continue Here;

}

lenovoMap.put(word, EnToCnMap.get(CnToEnMap.get(word)));

}

}

}

TranslatorImp, 翻译类

package MSU.OEI.ME.SMS.SEU.OSD.OSI.E;

import java.io.IOException;

import java.util.Iterator;

import java.util.List;

import java.util.Map;

import java.util.concurrent.CopyOnWriteArrayList;

import AVQ.ASQ.OVQ.OSQ.VSQ.obj.Verbal;

import SVQ.stable.StablePOS;

import MSU.OCI.ME.SMS.translator.C.Translator;

import OCI.ME.analysis.C.A;

public class Translator\_E implements Translator{

public Map<String, String> poscc;

public Map<String, String> posec;

public Map<String, String> posee;

public Map<String, String> etc;

public Map<String, String> cte;

public Map<String, String> fulletc;

public Map<String, String> fullcte;

public void init(A \_A) throws IOException {

posec = \_A.getPosEnToCn();

posee = \_A.getPosEnToEn();

poscc = \_A.getPosCnToCn();

etc = \_A.getEnToCn();

cte = \_A.getCnToEn();

fulletc = \_A.getFullEnToCn();

fullcte = \_A.getFullCnToEn();

}

public String EnglishStringToChineseString(A \_A, String EnglishString) {

String[] nodes = \_A.parserEnglishString(EnglishString);

StringBuilder sb = new StringBuilder();

for(String temp:nodes) {

char[] caseTemp = temp.toCharArray();

caseTemp[StablePOS.INT\_ONE] = String.valueOf(caseTemp[StablePOS.INT\_ONE])

.toUpperCase().charAt(StablePOS.INT\_ONE);

if(etc.containsKey(temp)) {

sb.append(etc.get(temp).split(StablePOS.NLP\_DOT)[StablePOS.INT\_ONE]);

}else if(fulletc.containsKey(String.valueOf(caseTemp))){

sb.append(fulletc.get(String.valueOf(caseTemp)));

}else {

sb.append(temp);

}

sb.append(StablePOS.SPACE\_STRING);

}

return sb.toString();

}

public String ChineseStringToEnglishString(A \_A, String ChineseString) {

List<String> nodes = \_A.parserMixedString(ChineseString);

StringBuilder sb = new StringBuilder();

Iterator<String> it = nodes.iterator();

while(it.hasNext()) {

String temp = it.next();

if(cte.containsKey(temp)) {

sb.append(cte.get(temp));

}else if(fullcte.containsKey(temp)){

sb.append(fullcte.get(temp));

}else {

sb.append(temp);

}

sb.append(StablePOS.SPACE\_STRING);

}

return sb.toString();

}

public String MixedStringToChineseString(A \_A, String mixedString) {

List<String> nodes = \_A.parserMixedString(mixedString.toLowerCase());

StringBuilder sb = new StringBuilder();

Iterator<String> it = nodes.iterator();

while(it.hasNext()) {

String temp = it.next();

if(poscc.containsKey(temp)) {

sb.append(temp);

}else {

String[] strings = \_A.parserEnglishString(temp);

for(String string:strings) {

if(string == null || string.length() < StablePOS.INT\_ONE) {

string = StablePOS.EMPTY\_STRING;

}

if(etc.containsKey(string)) {

sb.append(etc.get(string).split(StablePOS.NLP\_DOT)[StablePOS.INT\_ZERO]);

}else if(fulletc.containsKey(string)){

sb.append(fulletc.get(string));

}else {

sb.append(temp);

}

}

}

}

return sb.toString();

}

public String ChineseStringToEnglishStringWithPOS(A \_A, String ChineseString) {

List<String> nodes = \_A.parserMixedString(ChineseString);

StringBuilder sb = new StringBuilder();

Iterator<String> it = nodes.iterator();

while(it.hasNext()) {

String temp = it.next();

if(cte.containsKey(temp)) {

sb.append(cte.get(temp));

}else if(fullcte.containsKey(temp)){

sb.append(fullcte.get(temp));

}else {

sb.append(temp);

}

if(poscc.containsKey(temp)) {

sb.append(StablePOS.NLP\_SYMBO\_SLASH);

sb.append(poscc.get(temp));

}

sb.append(StablePOS.SPACE\_STRING);

}

return sb.toString();

}

public List<Verbal> index(A \_A, String mixedString) {

List<Verbal> verbals = new CopyOnWriteArrayList<>();

List<String> nodes = \_A.parserMixedString(mixedString.toLowerCase());

Iterator<String> it = nodes.iterator();

while(it.hasNext()) {

String word = it.next();

Verbal verbal = new Verbal();

if(poscc.containsKey(word)) {

verbal.setChinese(word);

verbal.setPartOfSpeech(poscc.get(word));

if(cte.containsKey(word)) {

verbal.setEnglish(cte.get(word));

if(etc.containsKey(cte.get(word))) {

verbal.setExplain(etc.get(cte.get(word)));

}

}else if(fullcte.containsKey(word)){

verbal.setEnglish(fullcte.get(word));

verbal.setExplain(fullcte.get(word));

}

}else if(posee.containsKey(word)) {

verbal.setEnglish(word);

if(fulletc.containsKey(word)) {

verbal.setChinese(fulletc.get(word));

}

if(poscc.containsKey(fulletc.get(word))) {

verbal.setPartOfSpeech(poscc.get(fulletc.get(word)));

}

if(etc.containsKey(word)) {

verbal.setExplain(etc.get(word));

}

}else {

verbal.setEnglish(word);

verbal.setChinese(fulletc.get(word));

verbal.setPartOfSpeech(StablePOS.NLP\_NULL);

verbal.setExplain(StablePOS.NLP\_NULL);

}

verbals.add(verbal);

}

return verbals;

}

public List<Verbal> fixPos(List<Verbal> verbals) {

for(int i = 0; i < verbals.size(); i++) {

if(verbals.get(i).getPartOfSpeech() != null) {

if(verbals.get(i).getPartOfSpeech().contains(StablePOS.NLP\_ZI\_DONG)){

if(!verbals.get(i).getPartOfSpeech().contains(StablePOS.NLP\_ZI\_MING)){

if(i - StablePOS.INT\_ONE > StablePOS.INT\_ZERO && verbals.get(i - StablePOS.INT\_ONE)

.getEnglish().contains(StablePOS.NLP\_ENGLISH\_OF)) {

Verbal temp = verbals.get(i);

temp.setPartOfSpeech(StablePOS.NLP\_CI\_DONG\_MING);

String english = temp.getEnglish().replace(StablePOS.SPACE\_STRING, StablePOS.EMPTY\_STRING);

if(english.charAt(english.length() - StablePOS.INT\_ONE) == StablePOS.NLP\_CHAR\_E) {

english = StablePOS.NLP\_ENGLISH\_THE + StablePOS.SPACE\_STRING

+ english.substring(StablePOS.INT\_ZERO, english.length() - StablePOS.INT\_ONE)

+ StablePOS.NLP\_ENGLISH\_ING;}else {

english = StablePOS.NLP\_ENGLISH\_THE + StablePOS.SPACE\_STRING + english + StablePOS.NLP\_ENGLISH\_ING;

}

temp.setEnglish(english);

}else if(verbals.get(i + StablePOS.INT\_ONE).getPartOfSpeech().contains(StablePOS.NLP\_ZI\_MING)){

if(i - StablePOS.INT\_ONE >= StablePOS.INT\_ZERO && !verbals.get(i - StablePOS.INT\_ONE).getPartOfSpeech().contains(StablePOS.NLP\_ZI\_MING)){

if(!verbals.get(i - StablePOS.INT\_ONE).getPartOfSpeech().contains(StablePOS.NLP\_ZI\_DAI)){

if(verbals.get(i - StablePOS.INT\_ONE).getPartOfSpeech().contains(StablePOS.NLP\_ZI\_JIE)){

if(verbals.get(i - StablePOS.INT\_ONE).getChinese().contains(StablePOS.NLP\_ZI\_ZAI)){

if(verbals.get(i + StablePOS.INT\_ONE).getChinese().contains(StablePOS.NLP\_ZI\_ZHONG)){

Verbal temp = verbals.get(i + StablePOS.INT\_ONE);

temp.setEnglish(StablePOS.NLP\_ENGLISH\_STATUS);

}

}

}

Verbal temp = verbals.get(i);

temp.setPartOfSpeech(StablePOS.NLP\_CI\_DONG\_MING);

String english = temp.getEnglish().replace(StablePOS.SPACE\_STRING, StablePOS.EMPTY\_STRING);

if(english.charAt(english.length()-StablePOS.INT\_ONE) == StablePOS.NLP\_CHAR\_E) {

english = StablePOS.NLP\_ENGLISH\_THE + StablePOS.SPACE\_STRING

+ english.substring(StablePOS.INT\_ZERO, english.length() - StablePOS.INT\_ONE)

+ StablePOS.NLP\_ENGLISH\_ING;}else {

english = StablePOS.NLP\_ENGLISH\_THE

+ StablePOS.SPACE\_STRING + english + StablePOS.NLP\_ENGLISH\_ING;

}

temp.setEnglish(english);

}

}

if(verbals.get(i + StablePOS.INT\_TWO).getPartOfSpeech().contains(StablePOS.NLP\_ZI\_DONG)){

if(!verbals.get(i + StablePOS.INT\_TWO).getPartOfSpeech().contains(StablePOS.NLP\_ZI\_MING)){

if(verbals.get(i + StablePOS.INT\_THREE).getPartOfSpeech().contains(StablePOS.NLP\_ZI\_MING)){

Verbal temp = verbals.get(i + StablePOS.INT\_TWO);

temp.setPartOfSpeech(StablePOS.NLP\_CI\_DONG\_MING);

String english = temp.getEnglish().replace(StablePOS.SPACE\_STRING, StablePOS.EMPTY\_STRING);

if(english.charAt(english.length() - StablePOS.INT\_ONE) == StablePOS.NLP\_CHAR\_E) {

english = StablePOS.NLP\_ENGLISH\_OF + StablePOS.SPACE\_STRING +

StablePOS.NLP\_ENGLISH\_THE + StablePOS.SPACE\_STRING + english.substring(StablePOS.INT\_ZERO, english.length()-StablePOS.INT\_ONE)

+ StablePOS.NLP\_ENGLISH\_ING; }else {

english = StablePOS.NLP\_ENGLISH\_OF + StablePOS.SPACE\_STRING +

StablePOS.NLP\_ENGLISH\_THE + StablePOS.SPACE\_STRING + english + StablePOS.NLP\_ENGLISH\_ING;

}

temp.setEnglish(english);

}

}

}

}else if(i - StablePOS.INT\_ONE >= StablePOS.INT\_ZERO && verbals.get(i - StablePOS.INT\_ONE).getPartOfSpeech().contains(StablePOS.NLP\_ZI\_JIE)){

Verbal temp = verbals.get(i);

temp.setPartOfSpeech(StablePOS.NLP\_CI\_DONG\_MING);

String english = temp.getEnglish().replace(StablePOS.SPACE\_STRING, StablePOS.EMPTY\_STRING);

if(english.charAt(english.length() - StablePOS.INT\_ONE) == StablePOS.NLP\_CHAR\_E) {

english = StablePOS.NLP\_ENGLISH\_THE + StablePOS.SPACE\_STRING + english.substring(StablePOS.INT\_ZERO, english.length() - StablePOS.INT\_ONE) + StablePOS.NLP\_ENGLISH\_ING;}else {english = StablePOS.NLP\_ENGLISH\_THE + StablePOS.SPACE\_STRING + english + StablePOS.NLP\_ENGLISH\_ING;

}temp.setEnglish(english);

}else if(i - StablePOS.INT\_ONE >= StablePOS.INT\_ZERO && verbals.get(i - StablePOS.INT\_ONE).getPartOfSpeech().contains(StablePOS.NLP\_ZI\_FU)){

Verbal temp = verbals.get(i);

temp.setPartOfSpeech(StablePOS.NLP\_CI\_DONG\_MING);

String english = temp.getEnglish().replace(StablePOS.SPACE\_STRING, StablePOS.EMPTY\_STRING);

if(english.charAt(english.length() - StablePOS.INT\_ONE) == StablePOS.NLP\_CHAR\_E) {

english = english.substring(StablePOS.INT\_ZERO, english.length() - StablePOS.INT\_ONE)

+ StablePOS.NLP\_ENGLISH\_ING; }else {

english += StablePOS.NLP\_ENGLISH\_ING;

}

temp.setEnglish(english);

}

}

}else if(verbals.get(i).getPartOfSpeech().contains(StablePOS.NLP\_ZI\_MING)){

if(i - StablePOS.INT\_ONE >= StablePOS.INT\_ZERO && verbals.get(i - StablePOS.INT\_ONE)

.getPartOfSpeech().contains(StablePOS.NLP\_FU\_SHU)){

Verbal temp = verbals.get(i);

String english = temp.getEnglish().replace(StablePOS.SPACE\_STRING, StablePOS.EMPTY\_STRING);

if(english.charAt(english.length()-1)

== StablePOS.NLP\_CHAR\_H || english.charAt(english.length()-1)

== StablePOS.NLP\_CHAR\_S) {

english += StablePOS.NLP\_ENGLISH\_ES;

}else {

english += StablePOS.NLP\_ENGLISH\_S;

}

temp.setEnglish(english);

}

}else if(verbals.get(i).getPartOfSpeech().contains(StablePOS.NLP\_CI\_FU)){

if(i - StablePOS.INT\_ONE >= StablePOS.INT\_ZERO && (verbals.get(i-StablePOS.INT\_ONE)

.getPartOfSpeech().contains(StablePOS.NLP\_ZI\_DAI)

||verbals.get(i - StablePOS.INT\_ONE).getPartOfSpeech().contains(StablePOS.NLP\_ZI\_MING))){

if(i-StablePOS.INT\_ONE >= StablePOS.INT\_ZERO&&verbals.get(i - StablePOS.INT\_ONE).getPartOfSpeech()

.contains(StablePOS.NLP\_ZI\_复)

||(verbals.get(i-StablePOS.INT\_ONE).getPartOfSpeech()

.contains(StablePOS.NLP\_ZI\_单)

&& verbals.get(i-StablePOS.INT\_ONE).getPartOfSpeech().contains(StablePOS.NLP\_ZI\_一))){

if(verbals.get(i).getEnglish().contains(StablePOS.NLP\_HAVE\_HAS)) {

Verbal temp = verbals.get(i);

String english = temp.getEnglish().replace(StablePOS.NLP\_HAVE\_HAS, StablePOS.NLP\_HAVE);

temp.setEnglish(english);

}

}else {

if(verbals.get(i).getEnglish().contains(StablePOS.NLP\_HAVE\_HAS)) {

Verbal temp = verbals.get(i);

String english = temp.getEnglish().replace(StablePOS.NLP\_HAVE\_HAS, StablePOS.NLP\_HAS);

temp.setEnglish(english);

}

}

}

if(i-StablePOS.INT\_TWO>= StablePOS.INT\_ZERO && (verbals.get(i-StablePOS.INT\_TWO).getPartOfSpeech()

.contains(StablePOS.NLP\_ZI\_DAI) || verbals.get(i-StablePOS.INT\_TWO).getPartOfSpeech()

.contains(StablePOS.NLP\_ZI\_MING))){

if(verbals.get(i-StablePOS.INT\_TWO)

.getPartOfSpeech().contains(StablePOS.NLP\_ZI\_复)

||(verbals.get(i-StablePOS.INT\_TWO)

.getPartOfSpeech().contains(StablePOS.NLP\_ZI\_单)

&&verbals.get(i-StablePOS.INT\_TWO)

.getPartOfSpeech().contains(StablePOS.NLP\_ZI\_一))){

if(verbals.get(i).getEnglish().contains(StablePOS.NLP\_HAVE\_HAS)) {

Verbal temp = verbals.get(i);

String english = temp.getEnglish().replace(StablePOS.NLP\_HAVE\_HAS, StablePOS.NLP\_HAVE);

temp.setEnglish(english);

}

}else {

if(verbals.get(i).getEnglish().contains(StablePOS.NLP\_HAVE\_HAS)) {

Verbal temp = verbals.get(i);

String english = temp.getEnglish().replace(StablePOS.NLP\_HAVE\_HAS, StablePOS.NLP\_HAS);

temp.setEnglish(english);

}

}

}

}

}

}

return verbals;

}

public String getChineseSentenseFromVerbalList(List<Verbal> verbals) {

StringBuilder sb = new StringBuilder();

for(int i = 0; i < verbals.size(); i++) {

sb.append(verbals.get(i).getChinese() == null ? StablePOS.EMPTY\_STRING : verbals.get(i).getChinese());

}

return sb.toString().replaceAll(StablePOS.NLP\_SPASE\_REP, StablePOS.SPACE\_STRING);

}

public String getEnglishSentenseFromVerbalFixList(List<Verbal> verbalsFix) {

StringBuilder sb = new StringBuilder();

for(int i = 0; i<verbalsFix.size(); i++) {

sb.append(verbalsFix.get(i).getEnglish()==null ? StablePOS.EMPTY\_STRING : verbalsFix.get(i).getEnglish().toLowerCase());

sb.append(StablePOS.SPACE\_STRING);

}

return sb.toString().replaceAll(StablePOS.NLP\_SPASE\_REP, StablePOS.SPACE\_STRING);

}

}

LenovoTest, 联想类

package OSU.PEQ.AVC.SUQ.test;

import java.io.IOException;

import java.util.Iterator;

import java.util.Map;

import AEU.AVC.SUQ.engine.LenovoInit;

import AEU.OCI.AVC.SUQ.estimation.C.EmotionSample;

public class LenovoTest{

public static void main(String[] argv) throws IOException {

//init

String text = "..请用户 自行添加sample.";

LenovoInit lenovoInit = new LenovoInit();

lenovoInit.init(text);

Map<String, EmotionSample> environmentSampleMap = lenovoInit.getEnvironmentInit().getEmotionSampleMap();

Map<String, Object> lenovo = lenovoInit.getSensingMap().getLenovoMap();

//reduce

System.out.println("环 境：");

Iterator<String> Iterator = environmentSampleMap.keySet().iterator();

while(Iterator.hasNext()) {

String word = Iterator.next();

EmotionSample emotionSample = environmentSampleMap.get(word);

if(null != emotionSample.getDistinction()) {

if(lenovo.containsKey(emotionSample.getDistinction())) {

System.out.print(lenovo.get(emotionSample.getDistinction()).toString()+" ");

}else {

System.out.print(emotionSample.getDistinction()+" ");

}

}

}

System.out.println("");

System.out.println("动机联想：");

Iterator = environmentSampleMap.keySet().iterator();

while(Iterator.hasNext()) {

String word = Iterator.next();

EmotionSample emotionSample = environmentSampleMap.get(word);

if(null != emotionSample.getMotivation()) {

if(lenovo.containsKey(emotionSample.getMotivation())) {

System.out.print(lenovo.get(emotionSample.getMotivation()).toString()+" ");

}else {

System.out.print(emotionSample.getMotivation()+" ");

}

}

}

System.out.println("");

System.out.println("倾向探索：" );

Iterator = environmentSampleMap.keySet().iterator();

while(Iterator.hasNext()) {

String word = Iterator.next();

EmotionSample emotionSample = environmentSampleMap.get(word);

if(null != emotionSample.getTrending()) {

if(lenovo.containsKey(emotionSample.getTrending())) {

System.out.print(lenovo.get(emotionSample.getTrending()).toString()+" ");

}else {

System.out.print(emotionSample.getTrending()+" ");

}

}

}

//reduce

System.out.println("");

System.out.println("决策挖掘：");

Iterator = environmentSampleMap.keySet().iterator();

while(Iterator.hasNext()) {

String word = Iterator.next();

EmotionSample emotionSample = environmentSampleMap.get(word);

if(null != emotionSample.getPrediction()) {

if(lenovo.containsKey(emotionSample.getPrediction())) {

System.out.print(lenovo.get(emotionSample.getPrediction()).toString()+" ");

}else {

System.out.print(emotionSample.getPrediction()+" ");

}

}

}

}

}

EnvironmentTest, 环境类

public class EnvironmentTest{

public static void main(String[] argv) throws IOException {

//init

String text = "";

EnvironmentInit environmentInit = new EnvironmentInit();

environmentInit.init(text);

Map<String, EmotionSample> environmentSampleMap = environmentInit.getEmotionSampleMap();

//reduce

System.out.println("环 境：");

Iterator<String> Iterator = environmentSampleMap.keySet().iterator();

while(Iterator.hasNext()) {

String word = Iterator.next();

EmotionSample emotionSample = environmentSampleMap.get(word);

if(null != emotionSample.getDistinction()) {

System.out.print(emotionSample.getDistinction()+" ");

}

}

System.out.println("");

System.out.println("动 机：");

Iterator = environmentSampleMap.keySet().iterator();

while(Iterator.hasNext()) {

String word = Iterator.next();

EmotionSample emotionSample = environmentSampleMap.get(word);

if(null != emotionSample.getMotivation()) {

System.out.print(emotionSample.getMotivation()+" ");

}

}

System.out.println("");

System.out.println("倾 向：" );

Iterator = environmentSampleMap.keySet().iterator();

while(Iterator.hasNext()) {

String word = Iterator.next();

EmotionSample emotionSample = environmentSampleMap.get(word);

if(null != emotionSample.getTrending()) {

System.out.print(emotionSample.getTrending()+" ");

}

}

//reduce

System.out.println("");

System.out.println("决 策：");

Iterator = environmentSampleMap.keySet().iterator();

while(Iterator.hasNext()) {

String word = Iterator.next();

EmotionSample emotionSample = environmentSampleMap.get(word);

if(null != emotionSample.getPrediction()) {

System.out.print(emotionSample.getPrediction()+" ");

}

}

}

}

EmotionTest, 思维类

package OSU.PEQ.AVC.SUQ.test;

import java.io.IOException;

import AEU.AVC.SUQ.engine.EmotionInit;

public class EmotionTest{

public static void main(String[] argv) throws IOException {

String text = "";

EmotionInit emotionInit = new EmotionInit();

emotionInit.init(text);

//reduce

double positiveCount = emotionInit.getPositiveCount();

double negativeCount = emotionInit.getNegativeCount();

double totalCount = emotionInit.getTotalCount();

System.out.println("正面数：" + positiveCount);

System.out.println("负面数：" + negativeCount);

if(positiveCount == 0) {

positiveCount = 1;

}

if(negativeCount == 0) {

negativeCount = 1;

}

double adjRatio = Math.abs(positiveCount/negativeCount-negativeCount/positiveCount);

System.out.println("渲染比率：" + adjRatio);

double phychologicRatio = (positiveCount + negativeCount)/totalCount;

System.out.println("情绪比率：" + phychologicRatio);

double infectionRatio = adjRatio\*phychologicRatio;

System.out.println("感染比率：" + infectionRatio);

}

}

EnvironmentInit, 环境类

package OSU.PEQ.AVC.SUQ.test;

import java.io.IOException;

import AEU.AVC.SUQ.engine.EmotionInit;

package AEU.AVC.SUQ.engine;

import java.io.IOException;

import java.util.List;

import java.util.Map;

import AEU.OCI.AVC.SUQ.estimation.C.EmotionSample;

import AEU.OCI.AVC.SUQ.estimation.C.RatioMap;

import AEU.OEI.AVC.SUQ.SVU.EOP.E.RatioMap\_E;

import AVQ.ASQ.OVQ.OSQ.VSQ.obj.WordFrequency;

import OCI.AVC.SUQ.SVQ.MPC.fhmm.C.EmotionMap;

import OCI.ME.analysis.C.A;

//import OCI.ME.analysis.C.A;

import OEI.AVC.SUQ.SVQ.MPC.fhmm.E.EmotionMap\_E;

import OEI.ME.analysis.E.CogsBinaryForest\_AE;

import SVQ.stable.StableString;

public class EnvironmentInit{

public EmotionMap getEmotionMap() {

return emotionMap;

}

public void I\_EmotionMap(EmotionMap emotionMap) {

this.emotionMap = emotionMap;

}

public A get\_A() {

return \_A;

}

public void I\_\_A(CogsBinaryForest\_AE \_A) {

this.\_A = \_A;

}

public Map<String, Object> getPositive() {

return positive;

}

public void I\_Positive(Map<String, Object> positive) {

this.positive = positive;

}

public Map<String, Object> getNegative() {

return negative;

}

public void I\_Negative(Map<String, Object> negative) {

this.negative = negative;

}

public Map<String, Object> getMotivation() {

return motivation;

}

public void I\_Motivation(Map<String, Object> motivation) {

this.motivation = motivation;

}

public Map<String, Object> getTrending() {

return trending;

}

public void I\_Trending(Map<String, Object> trending) {

this.trending = trending;

}

public Map<String, Object> getPrediction() {

return prediction;

}

public void I\_Prediction(Map<String, Object> prediction) {

this.prediction = prediction;

}

public List<String> getSets() {

return sets;

}

public void I\_Sets(List<String> sets) {

this.sets = sets;

}

public RatioMap getRationMap() {

return rationMap;

}

public void I\_RationMap(RatioMap rationMap) {

this.rationMap = rationMap;

}

public Map<Integer, WordFrequency> getWordFrequencyMap() {

return wordFrequencyMap;

}

public void I\_WordFrequencyMap(Map<Integer, WordFrequency> wordFrequencyMap) {

this.wordFrequencyMap = wordFrequencyMap;

}

public Map<String, EmotionSample> getEmotionSampleMap() {

return emotionSampleMap;

}

public void I\_EmotionSampleMap(Map<String, EmotionSample> emotionSampleMap) {

this.emotionSampleMap = emotionSampleMap;

}

public double getPositiveCount() {

return positiveCount;

}

public void I\_PositiveCount(double positiveCount) {

this.positiveCount = positiveCount;

}

public double getNegativeCount() {

return negativeCount;

}

public void I\_NegativeCount(double negativeCount) {

this.negativeCount = negativeCount;

}

public double getTotalCount() {

return totalCount;

}

public void I\_TotalCount(double totalCount) {

this.totalCount = totalCount;

}

public Map<String, Object> getDistinction() {

return distinction;

}

public void I\_Distinction(Map<String, Object> distinction) {

this.distinction = distinction;

}

private EmotionMap emotionMap;

private CogsBinaryForest\_AE \_A;

private Map<String, Object> positive;

private Map<String, Object> negative;

private Map<String, Object> motivation;

private Map<String, Object> trending;

private Map<String, Object> prediction;

private Map<String, Object> distinction;

private List<String> sets;

private RatioMap rationMap;

private Map<Integer, WordFrequency> wordFrequencyMap;

private Map<String, EmotionSample> emotionSampleMap;

private double positiveCount;

private double negativeCount;

private double totalCount;

@SuppressWarnings("unused")

public static void main(String[] argv) throws IOException {

EnvironmentInit environmentInit = new EnvironmentInit();

environmentInit.IV\_(StableString.text1);

Map<String, EmotionSample> environmentSampleMap = environmentInit.getEmotionSampleMap();

}

public void IV\_(String text) throws IOException {

emotionMap = new EmotionMap\_E();

emotionMap.IV\_MotivationMap();

emotionMap.IV\_TrendingMap();

emotionMap.IV\_PredictionMap();

emotionMap.IV\_DistinctionMap();

\_A = new CogsBinaryForest\_AE();

//\_A.IV\_Mixed();

\_A.IV\_Mixed();

motivation = emotionMap.getMotivationMap();

trending = emotionMap.getTrendingMap();

prediction = emotionMap.getPredictionMap();

distinction = emotionMap.getDistinctionMap();

//sets = \_A.parserMixedString(text);//稍后统一更新下接口为parserMixedString

sets = \_A.parserMixedString(text);//

wordFrequencyMap = \_A.getWordFrequencyByReturnSortMap(sets);

rationMap = new RatioMap\_E();

emotionSampleMap = rationMap.getEnvironmentSampleMap(wordFrequencyMap);

rationMap.IQ\_Motivation(emotionSampleMap, motivation);

rationMap.IQ\_Trending(emotionSampleMap, trending);

rationMap.IQ\_Prediction(emotionSampleMap, prediction);

rationMap.IQ\_Distinction(emotionSampleMap, distinction);

}

public void IV\_Exclude\_A(String text, CogsBinaryForest\_AE \_AInput) throws IOException {

emotionMap = new EmotionMap\_E();

emotionMap.IV\_MotivationMap();

emotionMap.IV\_TrendingMap();

emotionMap.IV\_PredictionMap();

emotionMap.IV\_DistinctionMap();

\_A = \_AInput;

motivation = emotionMap.getMotivationMap();

trending = emotionMap.getTrendingMap();

prediction = emotionMap.getPredictionMap();

distinction = emotionMap.getDistinctionMap();

sets = \_AInput.parserString(text);

wordFrequencyMap = \_AInput.getWordFrequencyByReturnSortMap(sets);

rationMap = new RatioMap\_E();

emotionSampleMap = rationMap.getEnvironmentSampleMap(wordFrequencyMap);

rationMap.IQ\_Motivation(emotionSampleMap, motivation);

rationMap.IQ\_Trending(emotionSampleMap, trending);

rationMap.IQ\_Prediction(emotionSampleMap, prediction);

rationMap.IQ\_Distinction(emotionSampleMap, distinction);

}

public void IV\_FromEmotion(Map<Integer, WordFrequency> getWordFrequencyMap) throws IOException {

emotionMap = new EmotionMap\_E();

emotionMap.IV\_MotivationMap();

emotionMap.IV\_TrendingMap();

emotionMap.IV\_PredictionMap();

emotionMap.IV\_DistinctionMap();

//parser sentence

motivation = emotionMap.getMotivationMap();

trending = emotionMap.getTrendingMap();

prediction = emotionMap.getPredictionMap();

distinction = emotionMap.getDistinctionMap();

//map

rationMap = new RatioMap\_E();

emotionSampleMap = rationMap.getEnvironmentSampleMap(getWordFrequencyMap);

rationMap.IQ\_Motivation(emotionSampleMap, motivation);

rationMap.IQ\_Trending(emotionSampleMap, trending);

rationMap.IQ\_Prediction(emotionSampleMap, prediction);

rationMap.IQ\_Distinction(emotionSampleMap, distinction);

}

public void IV\_FromEmotionExcludeEmotion(Map<Integer, WordFrequency> getWordFrequencyMap, EmotionMap emotionMapInput) throws IOException {

emotionMap = emotionMapInput;

motivation = emotionMap.getMotivationMap();

trending = emotionMap.getTrendingMap();

prediction = emotionMap.getPredictionMap();

distinction = emotionMap.getDistinctionMap();

rationMap = new RatioMap\_E();

emotionSampleMap = rationMap.getEnvironmentSampleMap(getWordFrequencyMap);

rationMap.IQ\_Motivation(emotionSampleMap, motivation);

rationMap.IQ\_Trending(emotionSampleMap, trending);

rationMap.IQ\_Prediction(emotionSampleMap, prediction);

rationMap.IQ\_Distinction(emotionSampleMap, distinction);

}

}

EmotionInit, 思维类

public class EmotionInit{

public EmotionMap getEmotionMap() {

return emotionMap;

}

public void I\_EmotionMap(EmotionMap emotionMap) {

this.emotionMap = emotionMap;

}

//稍后进行 A 新陈代谢分化

//20210702

public A get\_A() {

return \_A;

}

public void I\_\_A(CogsBinaryForest\_AE \_A) {

this.\_A = \_A;

}

public Map<String, Object> getPositive() {

return positive;

}

public void I\_Positive(Map<String, Object> positive) {

this.positive = positive;

}

public Map<String, Object> getNegative() {

return negative;

}

public void I\_Negative(Map<String, Object> negative) {

this.negative = negative;

}

public Map<String, Object> getMotivation() {

return motivation;

}

public void I\_Motivation(Map<String, Object> motivation) {

this.motivation = motivation;

}

public Map<String, Object> getTrending() {

return trending;

}

public void I\_Trending(Map<String, Object> trending) {

this.trending = trending;

}

public Map<String, Object> getPrediction() {

return prediction;

}

public void I\_Prediction(Map<String, Object> prediction) {

this.prediction = prediction;

}

public List<String> getSets() {

return sets;

}

public void I\_Sets(List<String> sets) {

this.sets = sets;

}

public RatioMap getRationMap() {

return rationMap;

}

public void I\_RationMap(RatioMap rationMap) {

this.rationMap = rationMap;

}

public Map<Integer, WordFrequency> getWordFrequencyMap() {

return wordFrequencyMap;

}

public void I\_WordFrequencyMap(Map<Integer, WordFrequency> wordFrequencyMap) {

this.wordFrequencyMap = wordFrequencyMap;

}

public Map<String, EmotionSample> getEmotionSampleMap() {

return emotionSampleMap;

}

public void I\_EmotionSampleMap(Map<String, EmotionSample> emotionSampleMap) {

this.emotionSampleMap = emotionSampleMap;

}

public double getPositiveCount() {

return positiveCount;

}

public void I\_PositiveCount(double positiveCount) {

this.positiveCount = positiveCount;

}

public double getNegativeCount() {

return negativeCount;

}

public void I\_NegativeCount(double negativeCount) {

this.negativeCount = negativeCount;

}

public double getTotalCount() {

return totalCount;

}

public void I\_TotalCount(double totalCount) {

this.totalCount = totalCount;

}

private EmotionMap emotionMap;

private CogsBinaryForest\_AE \_A;

private Map<String, Object> positive;

private Map<String, Object> negative;

private Map<String, Object> motivation;

private Map<String, Object> trending;

private Map<String, Object> prediction;

private List<String> sets;

private RatioMap rationMap;

private Map<Integer, WordFrequency> wordFrequencyMap;

private Map<String, EmotionSample> emotionSampleMap;

private double positiveCount;

private double negativeCount;

private double totalCount;

public static void main(String[] argv) throws IOException {

EmotionInit emotionInit = new EmotionInit();

emotionInit.IV\_(StableString.text1);

}

public void IV\_(String text) throws IOException {

emotionMap = new EmotionMap\_E();

emotionMap.IV\_NegativeMap();

emotionMap.IV\_PositiveMap();

\_A = new CogsBinaryForest\_AE();

\_A.IV\_Mixed();

positive = emotionMap.getPositiveMap();

negative = emotionMap.getNegativeMap();

sets = \_A.parserMixedString(text);

wordFrequencyMap = \_A.getWordFrequencyByReturnSortMap(sets);

rationMap = new RatioMap\_E();

emotionSampleMap = rationMap.getEmotionSampleMap(wordFrequencyMap, positive, negative);

positiveCount = rationMap.findTotalPositiveCount(emotionSampleMap);

negativeCount = rationMap.findTotalNegativeCount(emotionSampleMap);

totalCount = rationMap.findTotalKeyCount(emotionSampleMap);

}

public void IV\_Exclude\_A(String text, CogsBinaryForest\_AE \_AInput, EmotionMap emotionMapInput) throws IOException {

emotionMap = emotionMapInput;

\_A = \_AInput;

positive = emotionMap.getPositiveMap();

negative = emotionMap.getNegativeMap();

sets = \_A.parserMixedString(text);

wordFrequencyMap = \_A.getWordFrequencyByReturnSortMap(sets);

rationMap = new RatioMap\_E();

emotionSampleMap = rationMap.getEmotionSampleMap(wordFrequencyMap, positive, negative);

positiveCount = rationMap.findTotalPositiveCount(emotionSampleMap);

negativeCount = rationMap.findTotalNegativeCount(emotionSampleMap);

totalCount = rationMap.findTotalKeyCount(emotionSampleMap);

}

}

LenovoInit, 联想类

package AEU.AVC.SUQ.engine;

import java.io.IOException;

import java.util.Map;

import AEU.OCI.AVC.SUQ.estimation.C.EmotionSample;

import OCI.AMV.ECS.SVQ.MPC.fhmm.C.SensingMap;

import OCI.ME.analysis.C.A;

import OEI.AMV.ECS.SVQ.MPC.SOQ.OEM.E.SensingMap\_E;

public class LenovoInit{

public SensingMap getSensingMap() {

return sensingMap;

}

public void setSensingMap(SensingMap sensingMap) {

this.sensingMap = sensingMap;

}

public EnvironmentInit getEnvironmentInit() {

return environmentInit;

}

public void setEnvironmentInit(EnvironmentInit environmentInit) {

this.environmentInit = environmentInit;

}

private SensingMap sensingMap;

private EnvironmentInit environmentInit;

@SuppressWarnings("unused")

public static void main(String[] argv) throws IOException {

String text = "";

LenovoInit lenovoInit = new LenovoInit();

lenovoInit.init(text);

Map<String, EmotionSample> environmentSampleMap = lenovoInit.getEnvironmentInit().getEmotionSampleMap();

Map<String, Object> lenovo = lenovoInit.getSensingMap().getLenovoMap();

}

public void init(String text) throws IOException {

environmentInit = new EnvironmentInit();

environmentInit.init(text);

sensingMap = new SensingMap\_E();

sensingMap.initLenovoMap(environmentInit.getAnalyzer());

}

public void initExcludeAnalyzer(String text, A \_A) throws IOException {

environmentInit = new EnvironmentInit();

environmentInit.initExcludeAnalyzer(text, \_A);

sensingMap = new SensingMap\_E();

sensingMap.initLenovoMap(environmentInit.getAnalyzer());

}

}

RatioMapImp, 比率图类

package AEU.OEI.AVC.SUQ.SVU.EOP.E;

import java.util.HashMap;

import java.util.Iterator;

import java.util.Map;

import AEU.OCI.AVC.SUQ.estimation.C.EmotionSample;

import AEU.OCI.AVC.SUQ.estimation.C.RatioMap;

import AVQ.ASQ.OVQ.OSQ.VSQ.obj.WordFrequency;

import SVQ.stable.StablePOS;

public class RatioMap\_E implements RatioMap{

@Override

public Map<String, EmotionSample> getEmotionSampleMap(Map<Integer, WordFrequency> wordFrequencyMap,

Map<String, Object> positive, Map<String, Object> negative) {

Map<String, EmotionSample> output = new HashMap<>();

for(int i = wordFrequencyMap.size() - StablePOS.INT\_ONE; i >= StablePOS.INT\_ZERO; i--) {

if(wordFrequencyMap.get(i).getWord().length() > StablePOS.INT\_ONE) {

EmotionSample emotionSample;

if(output.containsKey(wordFrequencyMap.get(i).getWord())) {

emotionSample = output.get(wordFrequencyMap.get(i).getWord());

}else {

emotionSample = new EmotionSample();

}

if(positive.containsKey(wordFrequencyMap.get(i).getWord())) {

emotionSample.I\_PositiveCount(wordFrequencyMap.get(i).getFrequency());

}else if(negative.containsKey(wordFrequencyMap.get(i).getWord())) {

emotionSample.I\_NegativeCount(wordFrequencyMap.get(i).getFrequency());

}else {

emotionSample.I\_MedCount(wordFrequencyMap.get(i).getFrequency());

}

output.put(wordFrequencyMap.get(i).getWord(), emotionSample);

}

}

return output;

}

@Override

public void IQ\_MotivationRatio(Map<String, EmotionSample> emotionSampleMap, double sumOfEmotion) {

Iterator<String> Iterator = emotionSampleMap.keySet().iterator();

while(Iterator.hasNext()) {

String word = Iterator.next();

EmotionSample emotionSample = emotionSampleMap.get(word);

emotionSample.I\_MotivationRatio(emotionSample.getEmotionRatio()/sumOfEmotion);

emotionSampleMap.put(word, emotionSample);

}

}

@Override

public void IQ\_CorrelationRatio(Map<String, EmotionSample> emotionSampleMap, double sumOfEmotion) {

Iterator<String> Iterator = emotionSampleMap.keySet().iterator();

while(Iterator.hasNext()) {

String word = Iterator.next();

EmotionSample emotionSample = emotionSampleMap.get(word);

emotionSample.I\_CorrelationRatio((emotionSample.getPositiveCount()

+ emotionSample.getNegativeCount() + emotionSample.getMedCount())/sumOfEmotion);

emotionSampleMap.put(word, emotionSample);

}

}

@Override

public void IQ\_ContinusRatio(Map<String, EmotionSample> emotionSampleMap, double emotionRatio) {

Iterator<String> Iterator = emotionSampleMap.keySet().iterator();

while(Iterator.hasNext()) {

String word = Iterator.next();

EmotionSample emotionSample = emotionSampleMap.get(word);

emotionSample.I\_ContinusRatio((emotionSample.getPositiveCount()

+ emotionSample.getNegativeCount() + emotionSample.getMedCount()) \* emotionRatio);

emotionSampleMap.put(word, emotionSample);

}

}

@Override

public void IQ\_TrendsRatio(Map<String, EmotionSample> emotionSampleMap) {

Iterator<String> Iterator = emotionSampleMap.keySet().iterator();

while(Iterator.hasNext()) {

String word = Iterator.next();

EmotionSample emotionSample = emotionSampleMap.get(word);

emotionSample.I\_TrendsRatio(emotionSample.getEmotionRatio() \* emotionSample.getContinusRatio()\* emotionSample.getCorrelationRatio());

emotionSampleMap.put(word, emotionSample);

}

}

@Override

public void IQ\_PredictionRatio(Map<String, EmotionSample> emotionSampleMap) {

Iterator<String> Iterator = emotionSampleMap.keySet().iterator();

while(Iterator.hasNext()) {

String word = Iterator.next();

EmotionSample emotionSample = emotionSampleMap.get(word);

emotionSample.I\_PredictionRatio(emotionSample.getMotivationRatio()\*emotionSample.getCorrelationRatio());

emotionSampleMap.put(word, emotionSample);

}

}

@Override

public void IQ\_GuessRatio(Map<String, EmotionSample> emotionSampleMap) {

Iterator<String> Iterator = emotionSampleMap.keySet().iterator();

while(Iterator.hasNext()) {

String word = Iterator.next();

EmotionSample emotionSample = emotionSampleMap.get(word);

emotionSample.I\_GuessRatio(emotionSample.getPredictionRatio()\*emotionSample.getTrendsRatio());

emotionSampleMap.put(word, emotionSample);

}

}

@Override

public void IQ\_SensingRatio(Map<String, EmotionSample> emotionSampleMap) {

Iterator<String> Iterator = emotionSampleMap.keySet().iterator();

while(Iterator.hasNext()) {

String word = Iterator.next();

EmotionSample emotionSample = emotionSampleMap.get(word);

if(0==emotionSample.getTrendsRatio()) {

emotionSample.I\_SensingRatio(0);

}else {

emotionSample.I\_SensingRatio(emotionSample.getPredictionRatio()/emotionSample.getTrendsRatio());

}

emotionSampleMap.put(word, emotionSample);

}

}

@Override

public double findTotalPositiveCount(Map<String, EmotionSample> emotionSampleMap) {

double output = StablePOS.INT\_ONE;

Iterator<String> Iterator=emotionSampleMap.keySet().iterator();

while(Iterator.hasNext()) {

String word = Iterator.next();

EmotionSample emotionSample = emotionSampleMap.get(word);

output += emotionSample.getPositiveCount();

}

return output;

}

@Override

public double findTotalNegativeCount(Map<String, EmotionSample> emotionSampleMap) {

double output = StablePOS.INT\_ONE;

Iterator<String> Iterator = emotionSampleMap.keySet().iterator();

while(Iterator.hasNext()) {

String word = Iterator.next();

EmotionSample emotionSample = emotionSampleMap.get(word);

output += emotionSample.getNegativeCount();

}

return output;

}

@Override

public void IQ\_EmotionRatio(Map<String, EmotionSample> emotionSampleMap, double positiveCount,double negativeCount, double medCount) {

Iterator<String> Iterator = emotionSampleMap.keySet().iterator();

while(Iterator.hasNext()) {

String word = Iterator.next();

EmotionSample emotionSample = emotionSampleMap.get(word);

double negRate = emotionSample.getNegativeCount()/negativeCount;

double posRate = emotionSample.getPositiveCount()/positiveCount;

double medRate = emotionSample.getMedCount()/medCount;

emotionSample.I\_EmotionRatio(negRate + posRate + medRate);

emotionSampleMap.put(word, emotionSample);

}

}

@Override

public double findTotalKeyCount(Map<String, EmotionSample> emotionSampleMap) {

double output = StablePOS.INT\_ONE;

Iterator<String> Iterator = emotionSampleMap.keySet().iterator();

while(Iterator.hasNext()) {

String word = Iterator.next();

EmotionSample emotionSample = emotionSampleMap.get(word);

output += emotionSample.getNegativeCount() + emotionSample.getPositiveCount()

+ emotionSample.getMedCount();

}

return output;

}

@Override

public void IQ\_Motivation(Map<String, EmotionSample> emotionSampleMap, Map<String, Object> motivation) {

Iterator<String> Iterator = emotionSampleMap.keySet().iterator();

while(Iterator.hasNext()) {

String word = Iterator.next();

EmotionSample emotionSample = emotionSampleMap.get(word);

if(motivation.containsKey(word)) {

emotionSample.I\_Motivation(motivation.get(word).toString());

}

emotionSampleMap.put(word, emotionSample);

}

}

@Override

public void IQ\_Trending(Map<String, EmotionSample> emotionSampleMap, Map<String, Object> trending) {

Iterator<String> Iterator = emotionSampleMap.keySet().iterator();

while(Iterator.hasNext()) {

String word = Iterator.next();

EmotionSample emotionSample = emotionSampleMap.get(word);

if(trending.containsKey(word)) {

emotionSample.I\_Trending(trending.get(word).toString());

}

emotionSampleMap.put(word, emotionSample);

}

}

@Override

public void IQ\_Prediction(Map<String, EmotionSample> emotionSampleMap, Map<String, Object> prediction) {

Iterator<String> Iterator = emotionSampleMap.keySet().iterator();

while(Iterator.hasNext()) {

String word = Iterator.next();

EmotionSample emotionSample = emotionSampleMap.get(word);

if(prediction.containsKey(emotionSample.getTrending())) {

emotionSample.I\_Prediction(prediction.get(emotionSample.getTrending()).toString());

} else if(prediction.containsKey(emotionSample.getMotivation())) {

emotionSample.I\_Prediction(prediction.get(emotionSample.getMotivation()).toString());

}

emotionSampleMap.put(word, emotionSample);

}

}

@Override

public void IQ\_Distinction(Map<String, EmotionSample> emotionSampleMap, Map<String, Object> distinction) {

Iterator<String> Iterator = emotionSampleMap.keySet().iterator();

while(Iterator.hasNext()) {

String word = Iterator.next();

EmotionSample emotionSample = emotionSampleMap.get(word);

if(distinction.containsKey(word)) {

emotionSample.I\_Distinction(distinction.get(word).toString());

}

emotionSampleMap.put(word, emotionSample);

}

}

@Override

public Map<String, EmotionSample> getEnvironmentSampleMap(Map<Integer, WordFrequency> wordFrequencyMap) {

Map<String, EmotionSample> output = new HashMap<>();

for (int i = wordFrequencyMap.size() - StablePOS.INT\_ONE;

i >= StablePOS.INT\_ZERO; i--) {

if(wordFrequencyMap.get(i).getWord().length() > StablePOS.INT\_ONE) {

EmotionSample emotionSample = new EmotionSample();

if(!output.containsKey(wordFrequencyMap.get(i).getWord())) {

output.put(wordFrequencyMap.get(i).getWord(), emotionSample);

}

}

}

return output;

}

}

SuccessICATest, 比率分析类

public class SuccessICATest{

public double[][] kernelCNN;

public void getKernelCNN(double[][] kernel) {

kernelCNN = new CnnMeasure().getCnnMeansure(kernel);

}

public static void main(String[] argv) throws IOException {

String text1 = "";

String text2 = "";

String text3 = "";

//ICA kernel

double[][] kernel = new double[3][];

kernel[0] = new InitBehaviorICAKernel().getBehaviorICAKernel(text1);

kernel[1] = new InitBehaviorICAKernel().getBehaviorICAKernel(text2);

kernel[2] = new InitBehaviorICAKernel().getBehaviorICAKernel(text3);

SuccessICATest successICATest=new SuccessICATest();

successICATest.getKernelCNN(kernel);

for(int i=0;i<successICATest.kernelCNN.length;i++) {

for(int j=0;j<successICATest.kernelCNN[0].length;j++) {

System.out.print(successICATest.kernelCNN[i][j] + " ");

}

System.out.println();

}

//do ICA normalization

//do ROBUST ICA

//do map

//do reduce sets

//sets Turing

}

}

LiterarinessLevelTest, 文学类

public class LiterarinessLevelTest{

double[] literarinessLevel;

double literarinessDuration;

public void getEducationLevel(double[][] measurement) {

literarinessLevel= new double[measurement.length];

for(int i= StablePOS.INT\_ZERO; i< measurement.length; i++) {

literarinessLevel[i]=(measurement[i][StablePOS.INT\_ZERO]

\*measurement[i][StablePOS.INT\_THREE])/measurement[i][StablePOS.INT\_ONE];

literarinessDuration+=literarinessLevel[i];

System.out.println("literarinessLevel:" +literarinessLevel[i]);

}

literarinessDuration/=literarinessLevel.length;

System.out.println("literarinessDuration:" + literarinessDuration);

}

public static void main(String[] argv) throws IOException {

String text1 = "";

String text2 = "";

String text3 = "";

//ICA kernel

double[][] kernel = new double[3][];

kernel[0] = new InitBehaviorICAKernel().getBehaviorICAKernel(text1);

kernel[1] = new InitBehaviorICAKernel().getBehaviorICAKernel(text2);

kernel[2] = new InitBehaviorICAKernel().getBehaviorICAKernel(text3);

LiterarinessLevelTest educationLevelTest = new LiterarinessLevelTest();

educationLevelTest.getEducationLevel(kernel);

}

}

EducationLevelTest, 教育类

package PEQ.OPM.VEC.test;

import java.io.IOException;

import AEU.OPM.VEC.ica.EducationRatio;

import SVQ.stable.StablePOS;

public class EducationLevelTest{

double[] EducationLevel;

double EducationDuration;

public void getEducationLevel(double[][] measurement) {

EducationLevel = new double[measurement.length];

for(int i = StablePOS.INT\_ZERO; i < measurement.length; i++) {

EducationLevel[i] = (measurement[i][StablePOS.INT\_THREE] + measurement[i][StablePOS.INT\_FOUR])/(measurement[i][StablePOS.INT\_ONE] + measurement[i][StablePOS.INT\_TWO] + measurement[i][StablePOS.INT\_THREE] + measurement[i][StablePOS.INT\_FOUR]+ measurement[i][StablePOS.INT\_FIVE]);

EducationDuration += EducationLevel[i];

System.out.println("EducationLevel:" +EducationLevel[i]);

}

EducationDuration/=EducationLevel.length;

System.out.println("EducationDuration:" + EducationDuration);

}

public static void main(String[] argv) throws IOException {

String text1 = "";

String text2 = "";

String text3 = "";

//ICA kernel

double[][] kernel = new double[3][];

kernel[0] = new EducationRatio().getEducationKernel(text1);

kernel[1] = new EducationRatio().getEducationKernel(text2);

kernel[2] = new EducationRatio().getEducationKernel(text3);

//ANN kernel

double[][] kernelRatio = new double[3][];

kernelRatio[0] = new EducationRatio().getEducationRatioKernel(kernel[0]);

kernelRatio[1] = new EducationRatio().getEducationRatioKernel(kernel[1]);

kernelRatio[2] = new EducationRatio().getEducationRatioKernel(kernel[2]);

EducationLevelTest educationLevelTest = new EducationLevelTest();

educationLevelTest.getEducationLevel(kernelRatio);

}

}

InitBehaviorICAKernel, 习惯类

package AEU.OPM.VEC.ica;

import java.io.IOException;

import java.util.Iterator;

import java.util.LinkedList;

import java.util.List;

import java.util.Map;

import AEU.AVC.SUQ.engine.EmotionInit;

import AEU.AVC.SUQ.engine.EnvironmentInit;

import AEU.OCI.AVC.SUQ.estimation.C.EmotionSample;

import SVQ.stable.StablePOS;

import OCI.AVC.SUQ.SVQ.MPC.fhmm.C.EmotionMap;

import OCI.ME.analysis.C.A;

public class InitBehaviorICAKernel{

private double[] kernel;

public double[] getKernel() {

return kernel;

}

public void setKernel(double[] kernel) {

this.kernel = kernel;

}

public List<String> getForRestReturn() {

return forRestReturn;

}

public void setForRestReturn(List<String> forRestReturn) {

this.forRestReturn = forRestReturn;

}

private List<String> forRestReturn;

public double getTrustRate(String text) throws IOException {

EmotionInit emotionInitEnvironment = new EmotionInit();

emotionInitEnvironment.init(text);

double positiveCountEnvironment = emotionInitEnvironment.getPositiveCount();

double totalCountEnvironment = emotionInitEnvironment.getTotalCount();

positiveCountEnvironment += StablePOS.INT\_ONE;

return positiveCountEnvironment/totalCountEnvironment;

}

public double getTrustRate(String text, A \_A, EmotionMap emotionMap) throws IOException {

EmotionInit emotionInitEnvironment = new EmotionInit();

emotionInitEnvironment.initExcludeAnalyzer(text, \_A, emotionMap);

//reduce

double positiveCountEnvironment = emotionInitEnvironment.getPositiveCount();

double totalCountEnvironment = emotionInitEnvironment.getTotalCount();

positiveCountEnvironment += StablePOS.INT\_ONE;

return positiveCountEnvironment/totalCountEnvironment;

}

public double[] getBehaviorICAKernel(String text) throws IOException {

forRestReturn = new LinkedList<>();

kernel = new double[StablePOS.INT\_SEVEN];

EmotionInit emotionInit = new EmotionInit();

emotionInit.init(text);

double positiveCount = emotionInit.getPositiveCount();

double negativeCount = emotionInit.getNegativeCount();

double totalCount = emotionInit.getTotalCount();

forRestReturn.add("正面情感：" + positiveCount);

forRestReturn.add("负面情感：" + negativeCount);

if(positiveCount == StablePOS.INT\_ZERO) {

positiveCount = StablePOS.INT\_ONE;

}

if(negativeCount == StablePOS.INT\_ZERO) {

negativeCount = StablePOS.INT\_ONE;

}

double adjRatio = Math.abs(positiveCount/negativeCount-negativeCount/positiveCount);

forRestReturn.add("渲染比率：" + adjRatio);

double phychologicRatio = (positiveCount + negativeCount)/totalCount;

forRestReturn.add("情绪比率：" + phychologicRatio);

double infectionRatio = adjRatio\*phychologicRatio;

forRestReturn.add("感染比率：" + infectionRatio);

kernel[StablePOS.INT\_ZERO] = adjRatio;

kernel[StablePOS.INT\_ONE] = phychologicRatio;

kernel[StablePOS.INT\_TWO] = infectionRatio;

EnvironmentInit environmentInit = new EnvironmentInit();

environmentInit.initFromEmotion(emotionInit.getWordFrequencyMap());

Map<String, EmotionSample> environmentSampleMap = environmentInit.getEmotionSampleMap();

forRestReturn.add("观测角度：");

String environmentText = "";

Iterator<String> Iterator = environmentSampleMap.keySet().iterator();

while(Iterator.hasNext()) {

String word = Iterator.next();

EmotionSample emotionSample = environmentSampleMap.get(word);

if(null != emotionSample.getDistinction()) {

environmentText += emotionSample.getDistinction() + StablePOS.SPACE\_STRING;

}

}

forRestReturn.add(environmentText);

kernel[StablePOS.INT\_THREE] = getTrustRate(environmentText);

forRestReturn.add(StablePOS.EMPTY\_STRING + kernel[StablePOS.INT\_THREE]);

forRestReturn.add("信任比率：");

String motivationText = StablePOS.EMPTY\_STRING;

Iterator = environmentSampleMap.keySet().iterator();

while(Iterator.hasNext()) {

String word = Iterator.next();

EmotionSample emotionSample = environmentSampleMap.get(word);

if(null != emotionSample.getMotivation()) {

motivationText += emotionSample.getMotivation() + StablePOS.SPACE\_STRING;

}

}

forRestReturn.add(motivationText);

kernel[StablePOS.INT\_FOUR] = getTrustRate(motivationText);

forRestReturn.add(StablePOS.EMPTY\_STRING+kernel[StablePOS.INT\_FOUR]);

forRestReturn.add("执行比率：");

String trendingText = StablePOS.EMPTY\_STRING;

Iterator = environmentSampleMap.keySet().iterator();

while(Iterator.hasNext()) {

String word = Iterator.next();

EmotionSample emotionSample = environmentSampleMap.get(word);

if(null != emotionSample.getTrending()) {

trendingText += emotionSample.getTrending() + StablePOS.SPACE\_STRING;

}

}

forRestReturn.add(trendingText);

kernel[StablePOS.INT\_FIVE] = getTrustRate(trendingText);

forRestReturn.add(StablePOS.EMPTY\_STRING + kernel[StablePOS.INT\_FIVE]);

forRestReturn.add("成功比率：");

String predictionText = StablePOS.EMPTY\_STRING;

Iterator = environmentSampleMap.keySet().iterator();

while(Iterator.hasNext()) {

String word = Iterator.next();

EmotionSample emotionSample = environmentSampleMap.get(word);

if(null != emotionSample.getPrediction()) {

predictionText += emotionSample.getPrediction() + StablePOS.SPACE\_STRING;

}

}

forRestReturn.add(predictionText);

kernel[StablePOS.INT\_SIX] = getTrustRate(predictionText);

forRestReturn.add(StablePOS.EMPTY\_STRING + kernel[StablePOS.INT\_SIX]);

return kernel;

}

public double[] getBehaviorICAKernel(String text, A \_A, EmotionMap emotionMap) throws IOException {

forRestReturn = new LinkedList<>();

kernel = new double[StablePOS.INT\_SEVEN];

EmotionInit emotionInit = new EmotionInit();

emotionInit.initExcludeAnalyzer(text, \_A, emotionMap);

double positiveCount = emotionInit.getPositiveCount();

double negativeCount = emotionInit.getNegativeCount();

double totalCount = emotionInit.getTotalCount();

forRestReturn.add("正面情感：" + positiveCount);

forRestReturn.add("负面情感：" + negativeCount);

if(positiveCount == StablePOS.INT\_ZERO) {

positiveCount = StablePOS.INT\_ONE;

}

if(negativeCount == StablePOS.INT\_ZERO) {

negativeCount = StablePOS.INT\_ONE;

}

double adjRatio = Math.abs(positiveCount/negativeCount-negativeCount/positiveCount);

forRestReturn.add("渲染比率：" + adjRatio);

double phychologicRatio = (positiveCount + negativeCount)/totalCount;

forRestReturn.add("情绪比率：" + phychologicRatio);

double infectionRatio = adjRatio\*phychologicRatio;

forRestReturn.add("感染比率：" + infectionRatio);

kernel[StablePOS.INT\_ZERO] = adjRatio;

kernel[StablePOS.INT\_ONE] = phychologicRatio;

kernel[StablePOS.INT\_TWO] = infectionRatio;

EnvironmentInit environmentInit = new EnvironmentInit();

environmentInit.initFromEmotionExcludeEmotion(emotionInit.getWordFrequencyMap()

, emotionMap);

Map<String, EmotionSample> environmentSampleMap = environmentInit.getEmotionSampleMap();

forRestReturn.add("观测角度：");

String environmentText = StablePOS.EMPTY\_STRING;

Iterator<String> Iterator = environmentSampleMap.keySet().iterator();

while(Iterator.hasNext()) {

String word = Iterator.next();

EmotionSample emotionSample = environmentSampleMap.get(word);

if(null != emotionSample.getDistinction()) {

environmentText += emotionSample.getDistinction() + StablePOS.SPACE\_STRING;

}

}

forRestReturn.add(environmentText);

kernel[StablePOS.INT\_THREE] = getTrustRate(environmentText, \_A, emotionMap);

forRestReturn.add(StablePOS.EMPTY\_STRING+kernel[StablePOS.INT\_THREE]);

forRestReturn.add("信任比率：");

String motivationText = StablePOS.EMPTY\_STRING;

Iterator = environmentSampleMap.keySet().iterator();

while(Iterator.hasNext()) {

String word = Iterator.next();

EmotionSample emotionSample = environmentSampleMap.get(word);

if(null != emotionSample.getMotivation()) {

motivationText += emotionSample.getMotivation() + StablePOS.SPACE\_STRING;

}

}

forRestReturn.add(motivationText);

kernel[StablePOS.INT\_FOUR] = getTrustRate(motivationText, \_A, emotionMap);

forRestReturn.add(StablePOS.EMPTY\_STRING+kernel[StablePOS.INT\_FOUR]);

forRestReturn.add("执行比率：");

String trendingText = StablePOS.EMPTY\_STRING;

Iterator = environmentSampleMap.keySet().iterator();

while(Iterator.hasNext()) {

String word = Iterator.next();

EmotionSample emotionSample = environmentSampleMap.get(word);

if(null != emotionSample.getTrending()) {

trendingText += emotionSample.getTrending() + StablePOS.SPACE\_STRING;

}

}

forRestReturn.add(trendingText);

kernel[StablePOS.INT\_FIVE] = getTrustRate(trendingText, \_A, emotionMap);

forRestReturn.add(StablePOS.EMPTY\_STRING+kernel[StablePOS.INT\_FIVE]);

forRestReturn.add("成功比率：");

String predictionText = StablePOS.EMPTY\_STRING;

Iterator = environmentSampleMap.keySet().iterator();

while(Iterator.hasNext()) {

String word = Iterator.next();

EmotionSample emotionSample = environmentSampleMap.get(word);

if(null != emotionSample.getPrediction()) {

predictionText += emotionSample.getPrediction() + StablePOS.SPACE\_STRING;

}

}

forRestReturn.add(predictionText);

kernel[StablePOS.INT\_SIX] = getTrustRate(predictionText, \_A, emotionMap);

forRestReturn.add(StablePOS.EMPTY\_STRING+kernel[StablePOS.INT\_SIX]);

return kernel;

}

}

EducationRatio, 教育类

package AEU.OPM.VEC.ica;

import java.io.IOException;

import java.util.Iterator;

import java.util.List;

import java.util.Map;

import AVQ.ASQ.OVQ.OSQ.VSQ.obj.WordFrequency;

import SVQ.stable.StablePOS;

import OCI.ME.analysis.C.A;

import OEI.ME.analysis.E.CogsBinaryForest\_AE;

public class EducationRatio{

public double[] getEducationKernel(String text) throws IOException {

A \_A = new CogsBinaryForest\_AE();

\_A.IV\_Mixed();

Map<String, String> pos = \_A.getPosCnToCn();

List<String> sets = \_A.parserMixedString(text);

Map<Integer, WordFrequency> map = \_A.getWordFrequencyByReturnSortMap(sets);

double[] output = new double[StablePOS.INT\_SEVEN];

output[StablePOS.INT\_ZERO] = sets.size();

Iterator<Integer> iterator = map.keySet().iterator();

Here:

while(iterator.hasNext()) {

WordFrequency wordFrequency = map.get(iterator.next());

if(!pos.containsKey(wordFrequency.getWord())) {

continue Here;

}

if(pos.get(wordFrequency.getWord()).contains(StablePOS.NLP\_ZI\_MING)){

output[StablePOS.INT\_ONE]+= StablePOS.INT\_ONE;

continue Here;

}

if(pos.get(wordFrequency.getWord()).contains(StablePOS.NLP\_ZI\_DONG)){

output[StablePOS.INT\_TWO]+= StablePOS.INT\_ONE;

continue Here;

}

if(pos.get(wordFrequency.getWord()).contains(StablePOS.NLP\_ZI\_WEI)){

output[StablePOS.INT\_FOUR]+= StablePOS.INT\_ONE;

continue Here;

}

if(pos.get(wordFrequency.getWord()).contains(StablePOS.NLP\_ZI\_XING)){

output[StablePOS.INT\_THREE]+= StablePOS.INT\_ONE;

continue Here;

}

if(pos.get(wordFrequency.getWord()).contains(StablePOS.NLP\_ZI\_FU)){

output[StablePOS.INT\_FIVE]+= StablePOS.INT\_ONE;

continue Here;

}

if(pos.get(wordFrequency.getWord()).contains(StablePOS.NLP\_ZI\_JIE)){

output[StablePOS.INT\_SIX]+= StablePOS.INT\_ONE;

}

}

return output;

}

public double[] getEducationRatioKernel(double[] input) {

double[] output=new double[input.length];

for(int i=StablePOS.INT\_ZERO;i<input.length;i++) {

output[i]=input[i]/input[StablePOS.INT\_ZERO];

}

return output;

}

}

第四节 DNA元基索引版本等

Sensing等maptest的过程函数补充

package PEQ.AMV.ECS.test;

import java.io.IOException;

import java.util.Iterator;

import java.util.List;

import java.util.Map;

import AEU.OCI.AVC.SUQ.estimation.C.EmotionSample;

import AEU.OCI.AVC.SUQ.estimation.C.RatioMap;

import AEU.OEI.AVC.SUQ.SVU.EOP.E.RatioMap\_E;

import AVQ.ASQ.OVQ.OSQ.VSQ.obj.WordFrequency;

import SVQ.stable.StablePOS;

import OCI.AVC.SUQ.SVQ.MPC.fhmm.C.EmotionMap;

import OCI.ME.analysis.C.A;

import OEI.AVC.SUQ.SVQ.MPC.fhmm.E.EmotionMap\_E;

import OEI.ME.analysis.E.CogsBinaryForest\_AE;

public class SensingTest{

public List<String> getSets() {

return sets;

}

public void setSets(List<String> sets) {

this.sets = sets;

}

public Map<String, String> getPosCnToCn() {

return this.pos;

}

private List<String> sets;

private Map<String, String> pos;

public String[][] getMatrix() throws IOException {

EmotionMap emotionMap = new EmotionMap\_E();

emotionMap.initMotivationMap();

emotionMap.initNegativeMap();

emotionMap.initPositiveMap();

emotionMap.initTrendingMap();

emotionMap.initPredictionMap();

String text = " ";

A \_A = new CogsBinaryForest\_AE();

\_A.initMixed();

pos = \_A.getPosCnToCn();

Map<String, Object> positive= emotionMap.getPositiveMap();

Map<String, Object> negative= emotionMap.getNegativeMap();

Map<String, Object> motivation= emotionMap.getMotivationMap();

Map<String, Object> trending= emotionMap.getTrendingMap();

Map<String, Object> prediction= emotionMap.getPredictionMap();

sets = \_A.parserMixedString(text);

Map<Integer, WordFrequency> wordFrequencyMap= \_A.getWordFrequencyByReturnSortMap(sets);

RatioMap rationMap= new RatioMap\_E();

Map<String, EmotionSample> emotionSampleMap= rationMap.getEmotionSampleMap(wordFrequencyMap, positive, negative);

double positiveCount= rationMap.findTotalPositiveCount(emotionSampleMap);

double negativeCount= rationMap.findTotalNegativeCount(emotionSampleMap);

double totalCount= rationMap.findTotalKeyCount(emotionSampleMap);

double medCount= totalCount- (positiveCount+ negativeCount);

rationMap.getMotivation(emotionSampleMap, motivation);

rationMap.getTrending(emotionSampleMap, trending);

rationMap.getPrediction(emotionSampleMap,prediction);

rationMap.getEmotionRatio(emotionSampleMap, positiveCount, negativeCount, medCount);

rationMap.getMotivationRatio(emotionSampleMap, totalCount);

rationMap.getCorrelationRatio(emotionSampleMap, totalCount);

double emotionRatio = Math.abs(positiveCount/ negativeCount - negativeCount/ positiveCount);

rationMap.getContinusRatio(emotionSampleMap, emotionRatio);

rationMap.getTrendsRatio(emotionSampleMap);

rationMap.getPredictionRatio(emotionSampleMap);

rationMap.getGuessRatio(emotionSampleMap);

rationMap.getSensingRatio(emotionSampleMap);

String[][] DNNMatrix = new String[emotionSampleMap.size()][15];

Iterator<String> Iterator = emotionSampleMap.keySet().iterator();

int count = StablePOS.INT\_ZERO;

while(Iterator.hasNext()) {

String word = Iterator.next();

EmotionSample emotionSample = emotionSampleMap.get(word);

DNNMatrix[count][StablePOS.INT\_ZERO]=word;

DNNMatrix[count][StablePOS.INT\_ONE]=emotionSample.getMotivation();

DNNMatrix[count][StablePOS.INT\_TWO]=emotionSample.getTrending();

DNNMatrix[count][StablePOS.INT\_THREE]= emotionSample.getPrediction();

DNNMatrix[count][StablePOS.INT\_FOUR]= StablePOS.EMPTY\_STRING + emotionSample.getPositiveCount();

DNNMatrix[count][StablePOS.INT\_FIVE]= StablePOS.EMPTY\_STRING + emotionSample.getMedCount();

DNNMatrix[count][StablePOS.INT\_SIX]= StablePOS.EMPTY\_STRING + emotionSample.getNegativeCount();

DNNMatrix[count][StablePOS.INT\_SEVEN]= StablePOS.EMPTY\_STRING + (int)(emotionSample.getEmotionRatio()\*10000);

DNNMatrix[count][StablePOS.INT\_EIGHT]= StablePOS.EMPTY\_STRING + (int)(emotionSample.getMotivationRatio()\*100000);

DNNMatrix[count][StablePOS.INT\_NINE]= StablePOS.EMPTY\_STRING + (int)(emotionSample.getCorrelationRatio()\*10000);

DNNMatrix[count][StablePOS.INT\_TEN]= StablePOS.EMPTY\_STRING + (int)(emotionSample.getContinusRatio()\*10);

DNNMatrix[count][StablePOS.INT\_ELEVEN]= StablePOS.EMPTY\_STRING + (int)(emotionSample.getTrendsRatio()\*100000);

DNNMatrix[count][StablePOS.INT\_TWELVE]= StablePOS.EMPTY\_STRING + (int)(emotionSample.getPredictionRatio()\*10000\*1000);

DNNMatrix[count][StablePOS.INT\_THIRTEEN]= StablePOS.EMPTY\_STRING + (int)(emotionSample.getGuessRatio()\*100000\*100000);

DNNMatrix[count][StablePOS.INT\_FOURTEEN]= StablePOS.EMPTY\_STRING + (int)(emotionSample.getSensingRatio()\*100000);

count++;

}

return DNNMatrix;

}

public static void main(String[] argv) throws IOException {

SensingTest sensingTest = new SensingTest();

sensingTest.getMatrix();

}

public String[][] getMatrix(String text, A \_A) throws IOException {

pos= \_A.getPosCnToCn();

EmotionMap emotionMap= \_A.getEmotionMap();

Map<String, Object> positive= emotionMap.getPositiveMap();

Map<String, Object> negative= emotionMap.getNegativeMap();

Map<String, Object> motivation= emotionMap.getMotivationMap();

Map<String, Object> trending= emotionMap.getTrendingMap();

Map<String, Object> prediction= emotionMap.getPredictionMap();

sets= \_A.parserMixedString(text);

Map<Integer, WordFrequency> wordFrequencyMap= \_A.getWordFrequencyByReturnSortMap(sets);

RatioMap rationMap= new RatioMap\_E();

Map<String, EmotionSample> emotionSampleMap= rationMap.getEmotionSampleMap(wordFrequencyMap, positive, negative);

double positiveCount= rationMap.findTotalPositiveCount(emotionSampleMap);

double negativeCount= rationMap.findTotalNegativeCount(emotionSampleMap);

double totalCount= rationMap.findTotalKeyCount(emotionSampleMap);

double medCount= totalCount- (positiveCount+ negativeCount);

rationMap.getMotivation(emotionSampleMap, motivation);

rationMap.getTrending(emotionSampleMap, trending);

rationMap.getPrediction(emotionSampleMap,prediction);

rationMap.getEmotionRatio(emotionSampleMap, positiveCount, negativeCount, medCount);

rationMap.getMotivationRatio(emotionSampleMap, totalCount);

rationMap.getCorrelationRatio(emotionSampleMap,totalCount);

double emotionRatio= Math.abs(positiveCount/negativeCount - negativeCount/positiveCount);

rationMap.getContinusRatio(emotionSampleMap, emotionRatio);

rationMap.getTrendsRatio(emotionSampleMap);

rationMap.getPredictionRatio(emotionSampleMap);

rationMap.getGuessRatio(emotionSampleMap);

rationMap.getSensingRatio(emotionSampleMap);

String[][] DNNMatrix= new String[emotionSampleMap.size()][15];

Iterator<String> Iterator= emotionSampleMap.keySet().iterator();

int count= StablePOS.INT\_ZERO;

while(Iterator.hasNext()) {

String word= Iterator.next();

EmotionSample emotionSample= emotionSampleMap.get(word);

DNNMatrix[count][StablePOS.INT\_ZERO]= word;

DNNMatrix[count][StablePOS.INT\_ONE]= emotionSample.getMotivation();

DNNMatrix[count][StablePOS.INT\_TWO]= emotionSample.getTrending();

DNNMatrix[count][StablePOS.INT\_THREE]= emotionSample.getPrediction();

DNNMatrix[count][StablePOS.INT\_FOUR]= StablePOS.EMPTY\_STRING+ emotionSample.getPositiveCount();

DNNMatrix[count][StablePOS.INT\_FIVE]= StablePOS.EMPTY\_STRING+ emotionSample.getMedCount();

DNNMatrix[count][StablePOS.INT\_SIX]= StablePOS.EMPTY\_STRING+ emotionSample.getNegativeCount();

DNNMatrix[count][StablePOS.INT\_SEVEN]= StablePOS.EMPTY\_STRING+ (int)(emotionSample.getEmotionRatio()\* 10000);

DNNMatrix[count][StablePOS.INT\_EIGHT]= StablePOS.EMPTY\_STRING+ (int)(emotionSample.getMotivationRatio()\* 100000);

DNNMatrix[count][StablePOS.INT\_NINE]= StablePOS.EMPTY\_STRING+ (int)(emotionSample.getCorrelationRatio()\* 10000);

DNNMatrix[count][StablePOS.INT\_TEN]= StablePOS.EMPTY\_STRING+ (int)(emotionSample.getContinusRatio()\* 10);

DNNMatrix[count][StablePOS.INT\_ELEVEN]= StablePOS.EMPTY\_STRING+ (int)(emotionSample.getTrendsRatio()\* 100000);

DNNMatrix[count][StablePOS.INT\_TWELVE]= StablePOS.EMPTY\_STRING+ (int)(emotionSample.getPredictionRatio()\* 10000\* 1000);

DNNMatrix[count][StablePOS.INT\_THIRTEEN]= StablePOS.EMPTY\_STRING+ (int)(emotionSample.getGuessRatio()\* 10000\* 10000);

DNNMatrix[count][StablePOS.INT\_FOURTEEN]= StablePOS.EMPTY\_STRING+ (int)(emotionSample.getSensingRatio()\* 100000);

count++;

}

return DNNMatrix;

}

}

DETARNN\_IDETEST, 卷积类

package PEQ.AMV.ECS.test;

import java.io.IOException;

import java.util.HashMap;

import java.util.Iterator;

import java.util.LinkedList;

import java.util.List;

import java.util.Map;

import OCI.ME.analysis.C.A;

public class RNN\_IDETest{

public static void main(String[] argv) throws IOException, InstantiationException, IllegalAccessException {

RNN\_IDETest rNN\_IDETest= new RNN\_IDETest();

rNN\_IDETest.getIDEMatrix();

}

public String[][] getIDEMatrix() throws IOException, InstantiationException, IllegalAccessException{

SensingTest sensingTest = new SensingTest();

String[][] sensingMatrix = sensingTest.getMatrix();

Map<String, List<Double>> map = new HashMap<>();

for(int i = 0; i < sensingMatrix.length; i++) {

List<Double> list = new LinkedList<>();

list.add(1.0);

map.put(sensingMatrix[i][0], list);

}

String[][] ideMatrix = new String [sensingMatrix.length][4];

List<String> sets = sensingTest.getSets();

Map<String, String> pos = sensingTest.getPosCnToCn();

Iterator<String> setsIterator = sets.iterator();

double count = 1;

//map position

while(setsIterator.hasNext()) {

String word = setsIterator.next();

if(map.containsKey(word)) {

List<Double> list = map.get(word);

list.add(count);

map.put(word, list);

}

count++;

}

//RNN LOOP position

int ideMatrixCount = 0;

Iterator<String> mapIterator = map.keySet().iterator();

while(mapIterator.hasNext()) {

String word = mapIterator.next();

List<Double> list = map.get(word);

double dovFactor = 1;

double popFactor = 0;

double eopFactor = 1;

double dovCount = 1;

for(int i = 0; i < list.size(); i++) {

for(int j = i + 1; j < list.size(); j++) {

dovCount ++;

dovFactor += list.get(j);

}

dovFactor += Math.abs(list.get(i) - dovFactor);

eopFactor += (eopFactor + list.get(i)) / 2;

}

//pos normalization

if(pos.containsKey(word)) {

popFactor += pos.get(word).contains("动")? 16: 0;

popFactor += pos.get(word).contains("名")? 4: 0;

popFactor += pos.get(word).contains("形")? 2: 0;

}

ideMatrix[ideMatrixCount][0] = word;

ideMatrix[ideMatrixCount][1] = "" + popFactor;

ideMatrix[ideMatrixCount][2] = "" + dovFactor/dovCount;

ideMatrix[ideMatrixCount][3] = "" + eopFactor;

ideMatrixCount++;

}

return ideMatrix;

}

public String[][] getIDEMatrixExcludeAnalyzer(A \_A, String string) throws IOException {

SensingTest sensingTest = new SensingTest();

String[][] sensingMatrix = sensingTest.getMatrix(string, \_A);

Map<String, List<Double>> map = new HashMap<>();

for(int i = 0; i < sensingMatrix.length; i++) {

List<Double> list = new LinkedList<>();

list.add(1.0);

map.put(sensingMatrix[i][0], list);

}

String[][] ideMatrix = new String [sensingMatrix.length][4];

List<String> sets = sensingTest.getSets();

Map<String, String> pos = sensingTest.getPosCnToCn();

Iterator<String> setsIterator = sets.iterator();

double count = 1;

//map position

while(setsIterator.hasNext()) {

String word = setsIterator.next();

if(map.containsKey(word)) {

List<Double> list = map.get(word);

list.add(count);

map.put(word, list);

}

count++;

}

//RNN LOOP position

int ideMatrixCount = 0;

Iterator<String> mapIterator = map.keySet().iterator();

while(mapIterator.hasNext()) {

String word = mapIterator.next();

List<Double> list = map.get(word);

double dovFactor = 1;

double popFactor = 0;

double eopFactor = 1;

double dovCount = 1;

for(int i = 0; i < list.size(); i++) {

for(int j = i + 1; j < list.size(); j++) {

dovCount ++;

dovFactor += list.get(j);

}

dovFactor += Math.abs(list.get(i) - dovFactor);

eopFactor += (eopFactor + list.get(i)) / 2;

}

//pos normalization

if(pos.containsKey(word)) {

popFactor += pos.get(word).contains("动")? 16: 0;

popFactor += pos.get(word).contains("名")? 4: 0;

popFactor += pos.get(word).contains("形")? 2: 0;

}

ideMatrix[ideMatrixCount][0] = word;

ideMatrix[ideMatrixCount][1] = "" + popFactor;

ideMatrix[ideMatrixCount][2] = "" + dovFactor/dovCount;

ideMatrix[ideMatrixCount][3] = "" + eopFactor;

ideMatrixCount++;

}

return ideMatrix;

}

public String[][] getIDEMatrixExcludeAnalyzer(SensingTest sensingTest, String[][] ann, A \_A, String string) {

//敏感度 意识 sensing

String[][] sensingMatrix = ann;

Map<String, List<Double>> map = new HashMap<>();

for(int i = 0; i < sensingMatrix.length; i++) {

List<Double> list = new LinkedList<>();

list.add(1.0);

map.put(sensingMatrix[i][0], list);

}

String[][] ideMatrix= new String [sensingMatrix.length][4];

List<String> sets= sensingTest.getSets();

Map<String, String> pos= sensingTest.getPosCnToCn();

Iterator<String> setsIterator= sets.iterator();

double count= 1;

//map position

//开始计算图距离

while(setsIterator.hasNext()) {

String word= setsIterator.next();

if(map.containsKey(word)) {

List<Double> list= map.get(word);

list.add(count);

map.put(word, list);

}

count++;

}

//RNN LOOP position

int ideMatrixCount= 0;

Iterator<String> mapIterator= map.keySet().iterator();

while(mapIterator.hasNext()) {

String word= mapIterator.next();

List<Double> list= map.get(word);

double dovFactor= 1; //距离distance的距离 distance of same vebals

double popFactor= 0; // 语义距离 part of speech

double eopFactor= 1; // 位移距离 eclid of parts 我全部会注释 到处是猫腻

double dovCount= 1; // 计数

for(int i= 0; i< list.size(); i++) {

for(int j= i + 1; j< list.size(); j++) {

dovCount++;

dovFactor+= list.get(j);

}

dovFactor+= Math.abs(list.get(i)- dovFactor); //平方和距离开方

eopFactor+= (eopFactor+ list.get(i))/ 2;// 欧基里德用来计算熵增

}

//pos normalization

if(pos.containsKey(word)) {

popFactor+= pos.get(word).contains("名")? 16: 0;

popFactor+= pos.get(word).contains("动")? 5: 0;

popFactor+= pos.get(word).contains("医")? 3: 0;

popFactor+= pos.get(word).contains("谓")? 3: 0;

popFactor+= pos.get(word).contains("形")? 2: 0;

}

ideMatrix[ideMatrixCount][0]= word;

ideMatrix[ideMatrixCount][1]= StableCommon.STRING\_EMPTY popFactor;

ideMatrix[ideMatrixCount][2]

= StableCommon.STRING\_EMPTY dovFactor/ dovCount;// 平均distance数

ideMatrix[ideMatrixCount][3]= StableCommon.STRING\_EMPTY eopFactor;

ideMatrixCount++;

}

//这里再2018年 最老的版本我用的是system来进行print, 后来包装成函数我就注释掉了,后来优化就删去了system 德打印函数, 罗瑶光20210420

return ideMatrix;

}

}

DETAANNTEST, 卷积类

package PEQ.AMV.ECS.test;

import java.io.IOException;

import java.util.ArrayList;

import java.util.Iterator;

import java.util.List;

import java.util.Map;

import OCI.ME.analysis.C.A;

import PEU.P.nlp.\*;

public class ANNTest{

public static void main(String[] argv) throws IOException, InstantiationException, IllegalAccessException {

ANNTest ANNTest = new ANNTest();

String[][] AnnMatrix = ANNTest.getANNMatrix();

for(int j = 0; j < AnnMatrix.length; j++) {

double sum = 0;

for(int i = 7; i < AnnMatrix[0].length; i++) {

sum += Double.valueOf(AnnMatrix[j][i]);

}

if(sum >= 0.6) {

System.out.println(AnnMatrix[j][0]+AnnMatrix[j][1] + AnnMatrix[j][2] + AnnMatrix[j][3] + "ANN:" + sum);

}

}

}

public String[][] getANNMatrix() throws IOException, InstantiationException, IllegalAccessException{

SensingTest sensingTest= new SensingTest();

//SUM OF ANN MAP CULUMN KERNEL

String[][] preAnnMatrix= sensingTest.getMatrix();

String[][] AnnMatrix= new DETA\_ANN\_HMM().summing\_P(preAnnMatrix);

return AnnMatrix;

}

public String[][] getANNMatrix(String string, A \_A) throws IOException

, InstantiationException, IllegalAccessException {

SensingTest sensingTest= new SensingTest();

//SUM OF ANN MAP CULUMN KERNEL

String[][] preAnnMatrix= sensingTest.getMatrix(string, \_A);

String[][] AnnMatrix= new DETA\_ANN\_HMM().summing\_P(preAnnMatrix);

String[][] POSPCAAnnMatrix= getPOSPCAAnnMatrix(AnnMatrix

, \_A.getPosCnToCn());

return POSPCAAnnMatrix;

// return POSPCAAnnMatrix= AnnMatrix;

}

public String[][] getPOSPCAAnnMatrix(String[][] AnnMatrix, Map<String, String> pos){

List<String[]> list= new ArrayList<>();

for(int j= 0; j< AnnMatrix.length; j++) {

if(pos.containsKey(AnnMatrix[j][0])) {

String string= pos.get(AnnMatrix[j][0]);

if(string.contains("名")

|| string.contains("动")

|| string.contains("医")

|| string.contains("谓")

|| string.contains("形")){

list.add(AnnMatrix[j]);

}

}

}

String[][] PCANLP= new String[list.size()][15];

Iterator<String[]> iterator= list.iterator();

int i= 0;

while(iterator.hasNext()) {

PCANLP[i++]=iterator.next();

}

return PCANLP;

}

public String[][] getANNMatrix(SensingTest sensingTest, String string, A \_A)

throws IOException, InstantiationException, IllegalAccessException {

//SUM OF ANN MAP CULUMN KERNEL

String[][] preAnnMatrix = sensingTest.getMatrix(string, \_A);

String[][] AnnMatrix = new DETA\_ANN\_HMM().summing\_P(preAnnMatrix);

String[][] POSPCAAnnMatrix= getPOSPCAAnnMatrix(AnnMatrix, \_A.getPosCnToCn());

return POSPCAAnnMatrix;

}

}

DETADNNTEST, 卷积类

package PEQ.AMV.ECS.test;

import java.io.IOException;

import java.util.ArrayList;

import java.util.HashMap;

import java.util.Iterator;

import java.util.List;

import java.util.Map;

import MSV.OSQ.sets.DetaDouble;

import OCI.ME.analysis.C.A;

import PEU.P.nlp.\*;

public class DNNTest{

public static void main(String[] argv) throws IOException, InstantiationException

, IllegalAccessException {

DNNTest dNNTest=new DNNTest();

ANNTest aNNTest= new ANNTest();

String[][] ann= aNNTest.getANNMatrix();

String[][] dnn= dNNTest.getDNNMatrix(ann);

//String[][] ann= aNNTest.getANNMatrix(string, \_A);

//String[][] dnn= dNNTest.getDNNMatrix(ann, \_A, string);

for(int i=0;i<dnn.length;i++) {

double dnn\_lwa = DetaDouble.parseDouble(dnn[i][3]);

if(dnn\_lwa>100) {

System.out.print(ann[i][0] + StableCommon.STRING\_SYMBOL\_PER);

System.out.print(ann[i][1] + StableCommon.STRING\_SYMBOL\_PER);

System.out.print(ann[i][2] + StableCommon.STRING\_SYMBOL\_PER);

System.out.print(ann[i][3] + StableCommon.STRING\_SYMBOL\_PER);

System.out.print(dnn[i][0] + StableCommon.STRING\_SYMBOL\_PER);

System.out.print(dnn[i][3] + StableCommon.STRING\_SYMBOL\_PER);

System.out.println("");

}

}

}

public String[][] getDNNMatrix() throws IOException, InstantiationException

, IllegalAccessException{

ANNTest aNNTest = new ANNTest();

RNN\_IDETest rNN\_IDETest = new RNN\_IDETest();

String[][] dNNMatrix = new DETA\_DNN().summing\_P(aNNTest.getANNMatrix()

, rNN\_IDETest.getIDEMatrix());

return dNNMatrix;

}

public String[][] getDNNMatrix(String[][] ann) throws IOException, InstantiationException

, IllegalAccessException{

RNN\_IDETest rNN\_IDETest = new RNN\_IDETest();

String[][] dNNMatrix = new DETA\_DNN().summing\_P(ann, rNN\_IDETest.getIDEMatrix());

return dNNMatrix;

}

public String[][] getDNNMatrix(SensingTest sensingTest, String[][] ann, A \_A, String string)

throws IOException, InstantiationException, IllegalAccessException{

//RNN 深度此距离计算 开始注释 罗瑶光

RNN\_IDETest rNN\_IDETest = new RNN\_IDETest();

String[][] rnn= rNN\_IDETest.getIDEMatrixExcludeAnalyzer(sensingTest, ann, \_A, string);

rnn= getPOSPCARnnMatrix(rnn);

if(ann.length> rnn.length) {

ann= getAnnWithMaskRnn(ann, rnn);

}

String[][] dNNMatrix = new DETA\_DNN().summing\_P(ann, rnn);

return dNNMatrix;

}

private String[][] getAnnWithMaskRnn(String[][] ann, String[][] rnn) {

//map

Map<String, Boolean> rnnMap= new HashMap<>();

for(int i= 0; i< rnn.length; i++) {

if(!rnnMap.containsKey(rnn[i][0])) {

rnnMap.put(rnn[i][0], true);

}

}

String[][] maskAnn= new String[rnnMap.size()][];

int j= 0;

for(int i= 0;i< ann.length; i++) {

if(rnnMap.containsKey(ann[i][0])) {

maskAnn[j++]= ann[i];

}

}

return maskAnn;

}

private String[][] getPOSPCARnnMatrix(String[][] rnn) {

List<String[]> list= new ArrayList<>();

Here:

for(int j= 0; j< rnn.length; j++) {

if(Double.valueOf(rnn[j][1])== 0

|| Double.valueOf(rnn[j][1])== 0

|| Double.valueOf(rnn[j][1])== 0

){

continue Here;

}

list.add(rnn[j]);

}

String[][] PCANLP= new String[list.size()][15];

Iterator<String[]> iterator= list.iterator();

int i= 0;

while(iterator.hasNext()) {

PCANLP[i++]=iterator.next();

}

return PCANLP;

}

}

第二章 Java数据分析算法引擎系统

第一节 研发说明

德塔Java数据分析算法引擎系统说明书V\_1\_0\_2

起源动机

2009 年报,作者在印度基督大学的数据结构实验室 与 Rohini 老师说,自己 能用 linklist 开发 大富翁游戏 , 为了证明, 在书店花了 500 卢布买了本 Java how to program 6th 第一次接触 java.

2012 年作者在加州路德大学的计算机视觉课为了设计etl 节点处理像素流, 把作业设计成了API 包, 这是<德塔数据分析算法引擎系统>最早模型. 作者更新在 313699483 qq ID 中.

2013 年后的 ETL Unicorn 设计出来之后, 作者逐步设计 语音, 音像, 电影, 商业分析节点,于是将计算机视觉中的先贤们的算法 从 2 维 设计成 1 维 处理 , 慢慢扩充优化丰富这个算法包.

应用特色

适用于所有图片, 电影, 音乐的流数据处理. 作者一直在做算法加速优化.适用于所有基于 波动粒子 工程的数据处理(天文, 地理, 勘探, 通讯, 盲分, 交通).

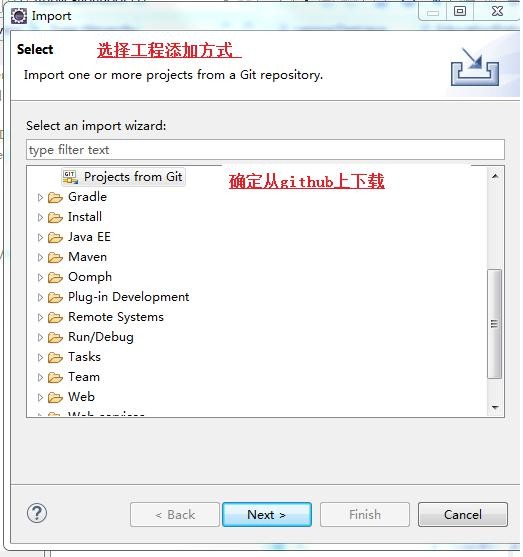
使用方法

1 下载 java 开发软件:

Eclipse: https://[www.eclipse.org/](http://www.eclipse.org/)

Intellij: <https://www.jetbrains.com/idea/>

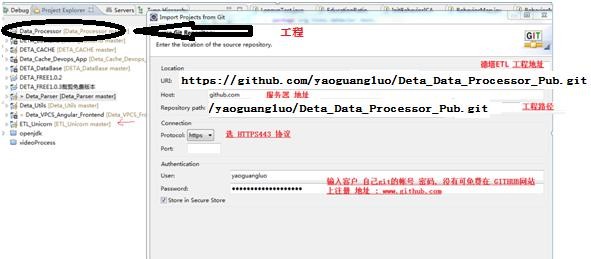
2 导入 deta 图灵 api ( API 是类库,接口 的意思, select 是选择 的意思 )



3 点 URI (uri 是互联网传输的一种协议规范关键字)



4 输入 Git 导入目标地址 (git 是版本持续化控制软件, repository 是 git 工程的下载标识, host 是远程 主机, repository path 是git 工程 在主机上下载链接, protocol 是是通信协议, port 是端口, authentication 是密钥, user 是帐户名, password 是密码, store in secure store 是记录保存)



5代码文件全局

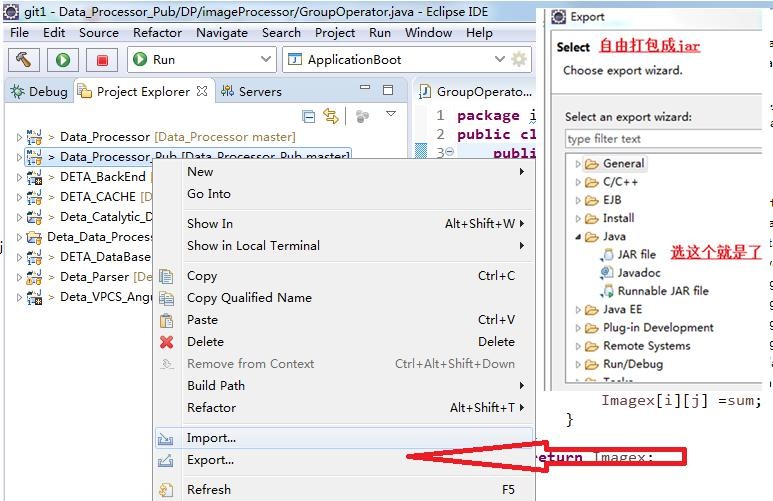


6 可 下 载 的 免 费 软 件 和 图 片 例 子 集 合 : https://github.com/yaoguangluo/Deta\_Data\_Processor\_Pub Github 非 个 软 申 请 版 本 :<https://github.com/yaoguangluo/Deta_Medicine><https://github.com/yaoguangluo/Data_Processor>

国内:

https://gitee.com/DetaChina/Data\_Processor

7 可以任意 打包 jar 作为商业 库销售和集成.( jar 是 java 的库的意思 , 可运行,可扩展, 可集成, export 是 打包输出的意思)



功能注解

1 API 运行原理 Flowchat





2罗瑶光小高峰过滤快排 4 代原理

快速排序的递归是基于 2 分拆分数组进行递归迭代的，假设数组的长为 n， 那么 2 分拆分将会有 2 种结果。当 n 为偶数时，则为完整拆分。当 n 为基数时，问题来了。n/2 将会有一定的概率 在 2 分递归的时候不对等。这个不对等产生的分配概率会形成许多短暂的运算小高峰时序。

概率的拆分如图：

基数产生缺陷

如果中间拆分时为基数，将会产生概率分配误差的噪声峰，基于左右对比来确定一个线性方向，可以快速降解这个峰值。另外当一个单元的 while 循环次数增多时，峰值的利用增大，有效的计算性能增加。于是确定线性方向 x 选边缘最大数值。最后采用迪摩根分配律进行微分条件，性能再加速。于是比对算法快速排序有效的平滑这个问题： 如下：

//同值字符串swap 需要加等于号，见top 5代

private int partition(int[] a, int lp, int rp) { int x= a[lp]< a[rp]? a[lp]: a[rp];

int lp1= lp; while(lp1< rp){

while(!(a[lp1]>x|| lp1>=rp)) { lp1++;

}

while(a[rp]>x){ rp--;

}

if(lp1<rp){

int temp=a[rp];a[rp]=a[lp1];a[lp1]=temp;

}

}

a[lp]=a[rp];a[rp]=x; return rp;

}

两种比较领先的排序思维对比

罗瑶光手稿

今天我有阅读了一种这几年比较流行的快速排序思想，基于中轴分离进行左右分配的数列递归排序法。地址：

github 上的 dongxingrong。 我仔细的研究了下，发现有几个地方可取，于是进行评价：

public int getMiddle(Integer[] list, int low, int high) {

int tmp = list[low]; //数组的第一个作为中轴while (low < high) {

while (low < high && list[high] >= tmp) { high--;

}

list[low] = list[high]; //比中轴小的记录移到低端while (low < high && list[low] <= tmp) {

low++;

}

list[high] = list[low]; //比中轴大的记录移到高端

}

list[low] = tmp; //中轴记录到尾return low; //返回中轴的位置

}

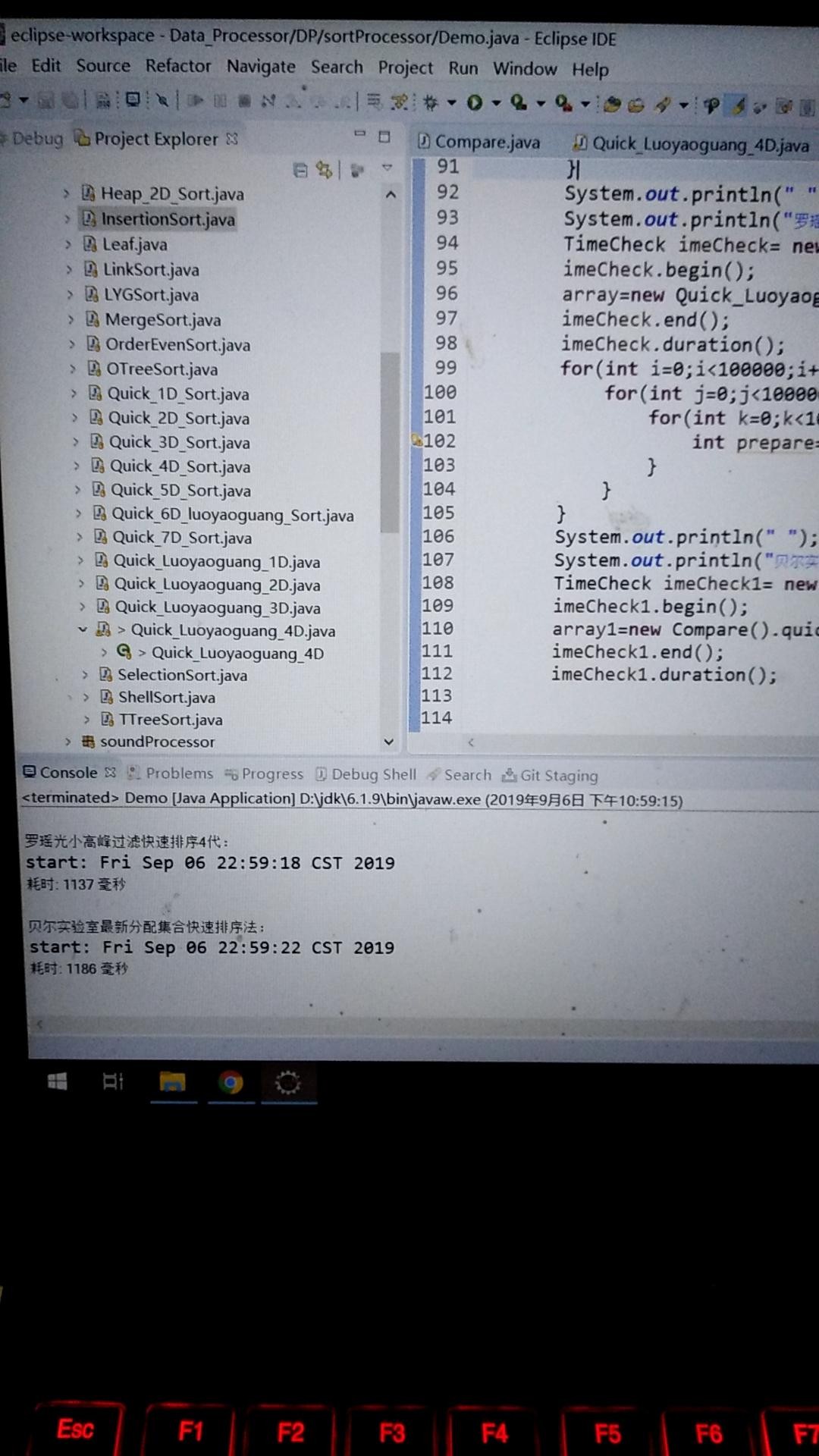
我思考了很久，在同频算子减少的方向中，直接减少 temp 的 swap 变量是一种先进的思想。但是利弊交错，我进行了和我的 4 代小高峰过滤快排做了详细对比：

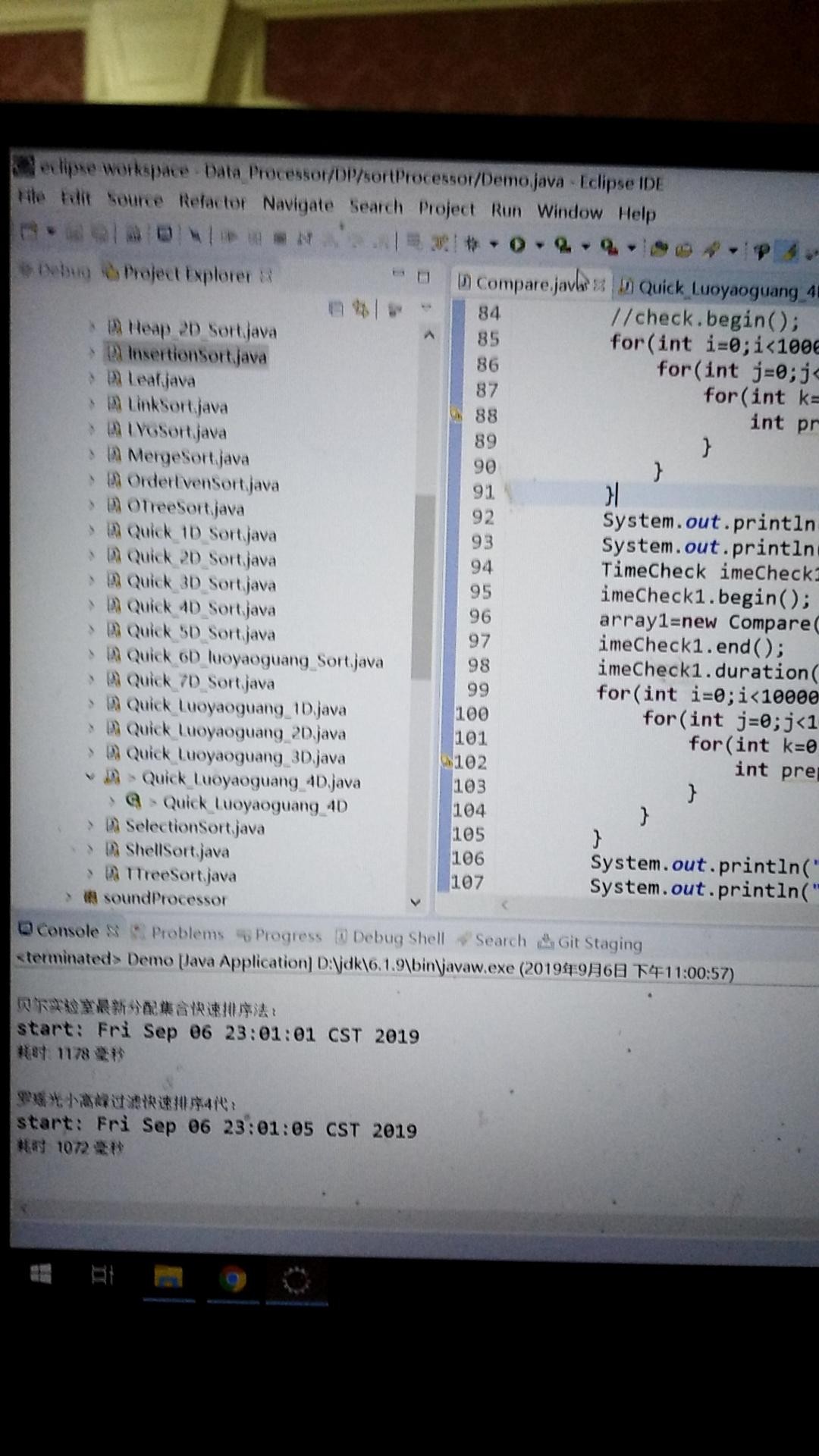
|  |  |  |
| --- | --- | --- |
| 1000 万数列排序 | 瑶光高峰过滤 | xingrong 中轴分配 |
| 算子减少 | 有 | 有 |
| 条件减少 | 有 | 有 |
| 离散效率 | 高 | 中 |
| 条件过滤 | 有 | 无 |
| 高频降解 | 无 | 有 |
| 计算性能 | 高 | 高 |
| 代码缩进 | 有 | 有 |
| 平均高峰先排耗时 | 1137 毫秒 | 1186 毫秒 |
| 平均分配先排耗时 | 1072 毫秒 | 1178 毫秒 |

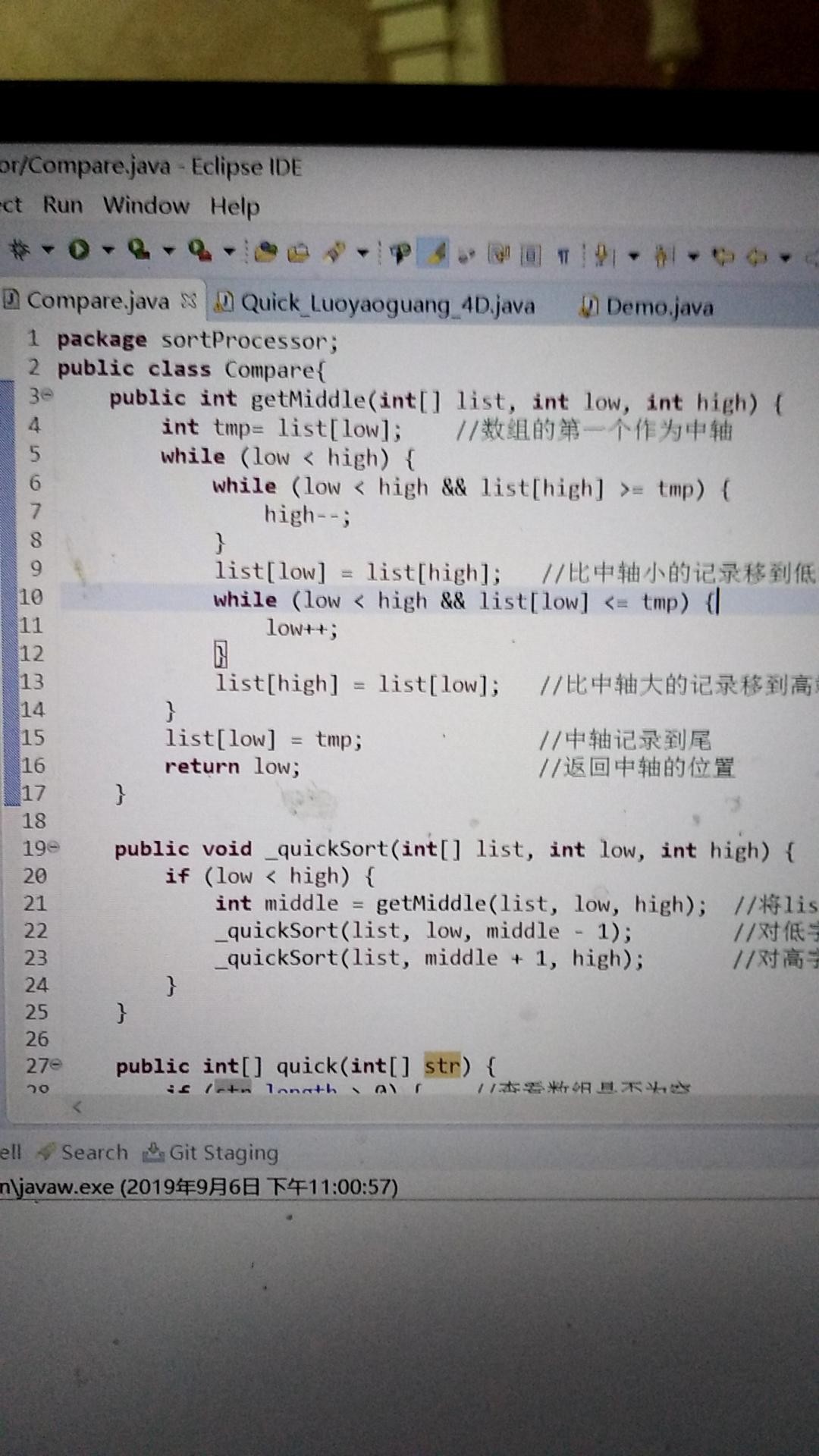
注解：这里的函数效率是指单个函数运行的计算消耗，包括堆栈消耗，内存阻塞，计算耗时等因素。 计算性能指的是数组的最大长度，单位消耗的时间，内存大小。

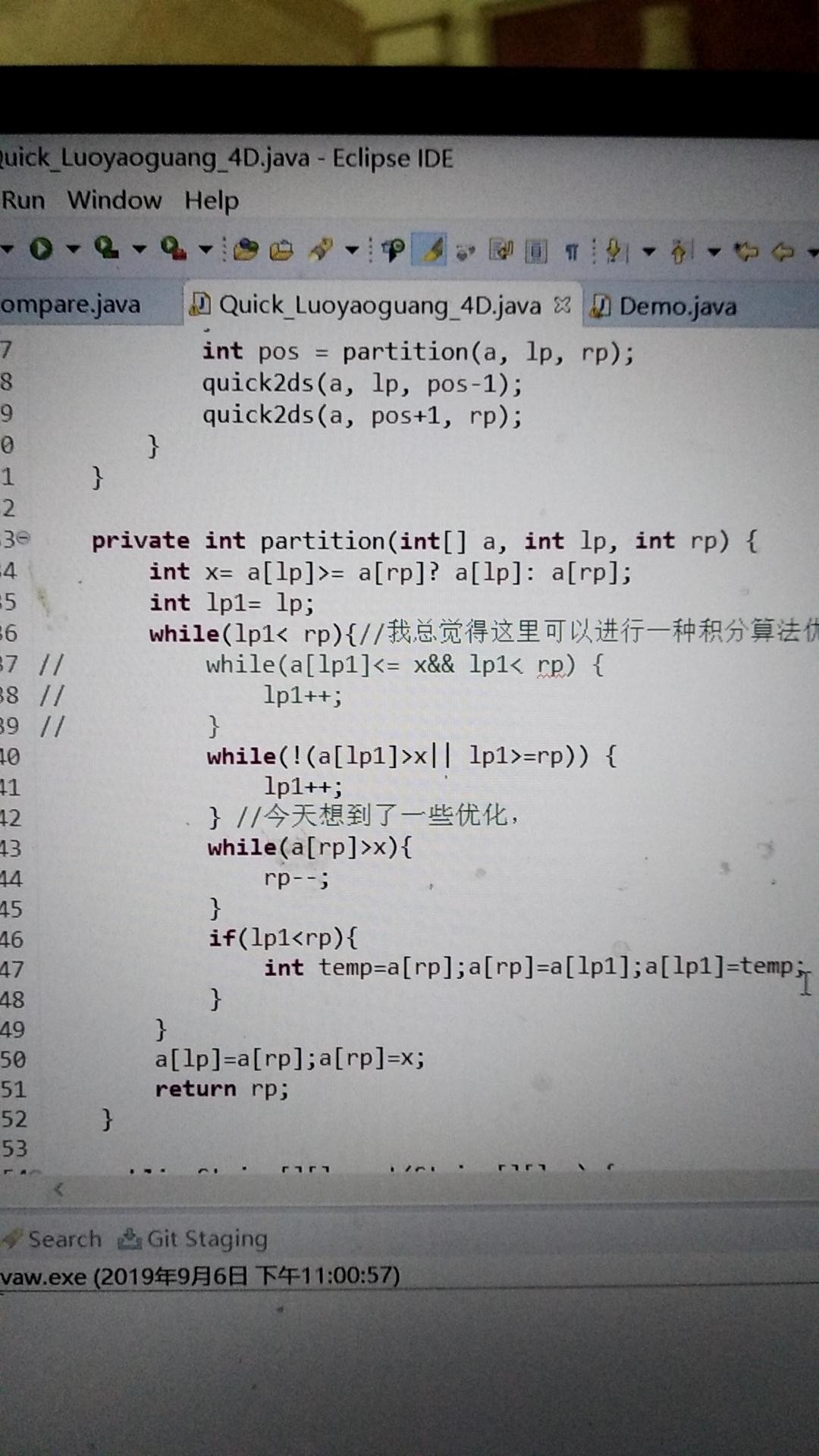
比较可以发现，因为递归的小高峰的存在，中轴心分配所需要的位移变换成为了必要执行功能，增大了开销， 这种开销可以最大限度的达到 balanced 递归逻辑的层数，但是对于指数方的多维算子条件缺少了过滤层，所以，性能耗损大。这种排序思想是完美的，为追求完美，丢失了一些东西，比较可惜。但是这种思想需要进行解析，在很多算法应用领域有宝贵的价值。

下面的 4 张图是堆 1000 万个随机数进行排序的比较耗时测试。









维度卷积计算原理：文字思想Refer计算机视觉教材《Computer Vision》绿皮书。

1给定一个需要处理的矩阵如下：

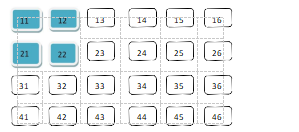
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 11 | 12 | 13 | 14 | 15 | 16 |
| 21 | 22 | 23 | 24 | 25 | 26 |
| 31 | 32 | 33 | 34 | 35 | 36 |
| 41 | 42 | 43 | 44 | 45 | 46 |

2给一个卷积核算子如下：





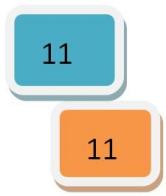
3卷积处理方式：通过蓝色部分和橙色部分进行相应的内核计算操作，进行局部卷积微积分处理数据矩阵。



注解：我再这里给出例子是 长为 2 宽为 2 的内核，根据实际情况可以自定义修改，如果像处理矩阵边缘数据，需要反射扩张增加原矩阵的长和宽。

4先做红色和蓝色的部分卷积 相同颜色做相应算法运算如下

5从左到右进行相应卷积运算



13

23

24

14



21

24

31

32

33

34

6从左到右进行相应卷积运算，运算的虚线集为已经处理过的待输出数据。



11

14

31

32

33

34

7到了右边界 宏诺伊曼的思想从上到下处理。



22



11



12



21

31

32

33

34

8然后再从左到右相应卷积处理。



11



12



13



14



23

24



33

34

注解：卷积算子有很多种，根据不同的工程应用，请选择合适的算法卷积算子

适用范围

适用于所有图片, 电影, 音乐的流数据处理. 作者一直在做算法加速优化.适用于所有基于 波动粒子 工程的数据处理(天文, 地理, 勘探, 通讯, 盲分, 交通).

注意

注意 1: 该作品免费版本使用权由国际软件研发协议 GPL-2.0 证书保护. 任何单位任意修改集成使用时请标注关键字: “罗瑶光”, 同时也要开源

注意 2 本系统 基于先贤的算法理论思想进行 Java 编译, 排名不分先后.先贤名单: 祖冲之, 高斯, 傅立叶, 牛顿, 薛定锷, 拉普拉斯, 巴特沃斯, 所贝尔, 哈尔, 因波斯, 迪摩根, 霍夫 等.

注意 3 本系统 中的先贤算法思想 作者 无权所有, 有权应用. 同样客户和使用者 可以自由化应用该 软件系统, 但无 权所有其 Refer 的先贤算法 以及思想理论的国籍归属等一系列所属权修改.

注意4: 当前版本是 1.0.0, 一直在优化中,有任何 bug 请直接联系作者. QQ: 2080315360 TEL: 15116110525 (tel: 电话号码)EMAIL: [2080315360@qq.com](mailto:2080315360@qq.com) ( email: 邮件地址)

**4德塔数据分析实现集合涉及的先贤理论思想和发现。互联网链接：**

傅里叶思想：

<https://www.doc88.com/p-0973999656458.html> <https://baike.sogou.com/v102060438.htm?fromTitle=%E5%82%85%E9%87%8C%E5%8F%B6>

拉 普 拉 斯 思 想 ： [https://baike.sogou.com/v815845.htm?fromTitle=%E6%8B%89%E6%99%AE%E6%8B%89%E6%96%AF%E7%AE%97%E5%AD%9](https://baike.sogou.com/v815845.htm?fromTitle=%E6%8B%89%E6%99%AE%E6%8B%89%E6%96%AF%E7%AE%97%E5%AD%90) 0

<https://baike.sogou.com/v181283.htm?fromTitle=%E6%8B%89%E6%99%AE%E6%8B%89%E6%96%AF>

浮雕思想：

<https://en.wikipedia.org/wiki/Image_embossing>

高斯思想：

<https://baike.sogou.com/v7811633.htm?fromTitle=%E9%AB%98%E6%96%AF%E6%A0%B8%E5%87%BD%E6%95%B0>

腐蚀膨胀思想：

<https://baike.sogou.com/v178215318.htm?fromTitle=%E9%97%AD%E8%BF%90%E7%AE%97>

索贝尔思想：

<https://baike.sogou.com/v101294427.htm?fromTitle=Sobel%E7%AE%97%E5%AD%90>

Cnn：

<https://en.wikipedia.org/wiki/Convolutional_neural_network>

Rnn：

<https://en.wikipedia.org/wiki/Recursive_neural_network>

Ann：

<https://en.wikipedia.org/wiki/Artificial_neural_network>

Lwa:

<https://baike.sogou.com/v11009683.htm?fromTitle=bp%E7%A5%9E%E7%BB%8F%E7%BD%91%E7%BB%9C> [https://baike.sogou.com/v11009683.htm?fromTitle=bp 神经网络](https://baike.sogou.com/v11009683.htm?fromTitle=bp%E7%A5%9E%E7%BB%8F%E7%BD%91%E7%BB%9C)

BST:

<https://baike.sogou.com/v71134459.htm?fromTitle=AVL%E6%A0%91>

Quicksort: <https://baike.sogou.com/v7638866.htm?fromTitle=%E5%BF%AB%E9%80%9F%E6%8E%92%E5%BA%8F>

Heapsort: <https://baike.sogou.com/v4838322.htm?fromTitle=%E5%A0%86%E7%A7%AF%E6%8E%92%E5%BA%8F>

Selectsort: [https://baike.sogou.com/v73874629.htm?fromTitle=%E9%80%89%E6%8B%A9%E7%B1%BB%E6%8E%92%E5%BA%8F%E6%B3](https://baike.sogou.com/v73874629.htm?fromTitle=%E9%80%89%E6%8B%A9%E7%B1%BB%E6%8E%92%E5%BA%8F%E6%B3%95)

%95

Insertsort: <https://baike.sogou.com/v7832934.htm?fromTitle=%E6%8F%92%E5%85%A5%E6%8E%92%E5%BA%8F>

感谢

1感谢 Renhat 教授 提供了 Reflection 函数(已经移出个人著作权范围)

2感谢 同学 罗阳参与设计 group 函数(已经移出个人著作权范围)

3感谢 同学 高顺参与讨论 Hull 算子不稳定熵(已经移出个人著作权范围)

4感谢 Vicent Boucher 提供的LWA 理论思想(已经移出个人著作权范围)

5感谢 同学 Mahesh 参与讨论 linklist 的 C 语言快速书写方式(已经移出个人著作权范围) Deta 项目设计 采用 Mind Master 软件.

6 Deta 项目研发 采用 Eclipse IDE 软件.

7 Deta 项目测试 采用 JUNIT API 软件.

8 Deta 项目作品 主要采用 JAVA JDK8+.

9 Deta 项目编码和算法基础能力来自作者在印度基督大学 学习的 数据结构 课程. 作者长期使用 微星 windows 7 操作系统开发此项目, 电脑装 360 杀毒软件保证其高效研发环境. 感谢 github 和 gitee 备份, 节省了作者 大量的存储硬盘, 同时方便 查阅, 逻辑 的鼠标键盘 给作者 提供了迅捷 的输入输出 便利 .当然 电信的网络, 老爸, 老妈, 都要感谢的.

研发需要清单

1 Java 编辑器.

2 Jdk8+. Java 虚拟机运行环境.

3 Junit 测试包.

4 一台连网的

第二节 研发笔记

API运行原理Flowchat

罗瑶光小高峰过滤快排4代原理

两种比较领先的排序思维对比

维度卷积计算原理

第三节 研发源码

CheckRange, 区间类

#函数名：像素处理包像素边际检查#函数思想作者：罗瑶光

#函数功能作者：罗瑶光

#函数用途：这个函数用于像素存储在矩阵中超出0~255的正常取值空间进行自动边值过滤矫正

package PEU.P.image;

import java.io.IOException;

public class CheckRange {

public int[][] P(int[][] g) throws IOException {

for(int i=0;i<g.length;i++){

for(int j=0;j<g[0].length;j++){

if(g[i][j]<0){

g[i][j]=0;

}

if (g[i][j]>255){

g[i][j]=255;

}

}

}

return g;

}

}

Closing, 卷积类

=================================================

#函数名：像素细化膨胀处理中的逼近连接处理#函数思想作者：罗瑶光

#函数功能作者：罗瑶光

#函数用途：像素在细化过程中的膨胀逼近连接处理。

package PEU.P.image;

public class Closing {

public int[][] P(int[][]g,int[][]kenel){

int[][] closing=new Dilation().P(g, kenel);

closing= new Erosion().P(closing,kenel);

return closing;

}

}

Dilation, 卷积类

=================================================

#函数名：像素细化膨胀处理中的逼近处理核心算法 #函数思想作者：罗瑶光

#函数功能作者：罗瑶光

#函数用途：像素在细化过程中的膨胀逼近处理核心算法。

#函数解析：同过一个0和1的掩码矩阵来进行2维循环保留有效像素数据。Flection用于矩阵的四周复制内核的一半大小

#避免溢出数组最大值和最小值。

package PEU.P.image;

public class Dilation{

int[][]kernel;

int[][]GetRegion;

int [][]tempG;

private void IV\_Temp(int[][]thisG) {

tempG=new int[thisG.length][thisG[0].length];

for(int i = 0;i<thisG.length;i++){

for(int j = 0;j<thisG[0].length;j++){

tempG[i][j]=0;

}

}

}

public int[][] P(int[][] g, int[][] kenel) {

int thisw = g.length;

int thish = g[0].length;

int [][]thisG = null;

if((kenel.length%2 == 0)&&(kenel[0].length%2 == 0))

thisG = new Reflection().PadImage(g, kenel.length+1, kenel[0].length+1);

if((kenel.length%2 == 0)&&(kenel[0].length%2 == 1))

thisG = new Reflection().PadImage(g, kenel.length+1, kenel[0].length);

if((kenel.length%2 == 1)&&(kenel[0].length%2 == 0))

thisG = new Reflection().PadImage(g, kenel.length, kenel[0].length+1);

if((kenel.length%2 == 1)&&(kenel[0].length%2 == 1))

thisG= new Reflection().PadImage(g, kenel.length, kenel[0].length);

IV\_Temp(thisG);

int w=kenel.length;

int h=kenel[0].length;

for(int i=w/2;i<thisw+w/2;i++){

for(int j=h/2;j<thish+h/2;j++){

for(int p=0;p<w;p++){

for(int q=0;q<h;q++){

if(kenel[p][q]==1){

if(thisG[i][j]>0){

tempG[i-w/2+p][j-h/2+q]=thisG[i][j];

}

}

}

}

}

}

int[][] out=new int[g.length][g[0].length];

for(int i=0;i<out[0].length;++i) {

for(int j=0;j<out.length;++j) {

out[j][i]=tempG[j][i];

}

}

return out;

}

}

Emboss, 卷积类

=================================================

#函数名：浮雕卷积算法

#函数思想作者：无法找到#函数功能作者：罗瑶光

#函数用途：用于像素的类似浮雕化0~255分布变换。

#函数解析：通过对角极值的内核卷积对像素矩阵进行刻度过滤变换，形成浮雕效果。

package PEU.P.image;

import java.io.IOException;

public class Emboss {

public int[][] P( int[][] g) throws IOException {

int[][] refG = new Reflection().PadImage(g, 3, 3);

int[]size = {g.length,g[0].length};

double[][] Gx = new double [size[0]][size[1]];

int[][] gxk = new int[][]{

{ -1, 0, 0},

{ 0, 0, 0},

{ 0, 0, 1}};;

//GROUP OPERATION

Gx= new Group\_O().GO(gxk, refG, size);

for(int i=0;i<Gx.length;i++){

for(int j=0;j<Gx[0].length;j++){

g[i][j]=(int) (Gx[i][j]/2+127);

}

}

int out[][] = new int[g.length][g[0].length];

for (int i = 0; i < g.length; i++) {

for (int j = 0; j < g[0].length; j++) {

out[i][j]=g[i][j];

}

}

return new CheckRange().P(out);

}

}

Erosion, 卷积类

=================================================

#函数名：腐蚀卷积算法

#函数思想作者：无法找到#函数功能作者：罗瑶光

#函数用途：用于像素的面机分布进行边缘瘦化缩小。

#函数解析：通过掩码矩阵的形态进行有规律的自适应边缘瘦化。

package PEU.P.image;

public class Erosion{

int[][]kernel;

int[][]GetRegion;

int [][]tempG;

private void IV\_Temp(int[][]thisG) {

tempG=new int[thisG.length][thisG[0].length];

for(int i=0;i<thisG.length;i++){

for(int j=0;j<thisG[0].length;j++){

tempG[i][j]=thisG[i][j];

}

}

}

public int[][] P(int[][] g, int[][] kenel) {

int thisw=g.length;

int thish=g[0].length;

int [][]thisG = null;

if((kenel.length%2==0)&&(kenel[0].length%2==0))

thisG= new Reflection().PadImage(g, kenel.length+1, kenel[0].length+1);

if((kenel.length%2==0)&&(kenel[0].length%2==1))

thisG= new Reflection().PadImage(g, kenel.length+1, kenel[0].length);

if((kenel.length%2==1)&&(kenel[0].length%2==0))

thisG= new Reflection().PadImage(g, kenel.length, kenel[0].length+1);

if((kenel.length%2==1)&&(kenel[0].length%2==1))

thisG= new Reflection().PadImage(g, kenel.length, kenel[0].length);

IV\_Temp(thisG);

int w=kenel.length;

int h=kenel[0].length;

for(int i=w/2;i<thisw+w/2;i++){

for(int j=h/2;j<thish+h/2;j++){

for(int p=0;p<w;p++){

for(int q=0;q<h;q++){

if(kenel[p][q]==1){

if(thisG[i][j]==0){

tempG[i-w/2+p][j-h/2+q]=0;

}

}

}

}

}

}

return tempG;

}

}

GetMean, 卷积类

=================================================

#函数名：获取平均值算法#函数思想作者：无

#函数功能作者：罗瑶光

#函数用途：用于得到一个像素矩阵独有的不变平均值

#函数解析：这个平均值是个不变值。用于像素矩阵的一些快速识别，均值卷积等基础功能，用途很多。

package PEU.P.image;

public class GetMean {

public double print\_Mean(int[][] outDIR) {

double sum = 0;

double meanValue = sum;

for(int i=0;i<outDIR.length;i++){

for(int j=0;j<outDIR[0].length;j++){

sum += outDIR[i][j];

}

}

meanValue = sum/( outDIR.length \* outDIR[0].length );

return meanValue;

}

public double print\_Mean(double[][] outDIR){

double sum = 0;

double meanValue = sum;

for(int i=0;i<outDIR.length;i++){

for(int j=0;j<outDIR[0].length;j++){

sum += outDIR[i][j];

}

}

meanValue = sum/( outDIR.length \* outDIR[0].length );

return meanValue;

}

}

Guassian, 卷积类

=================================================

#函数名：高斯2维卷积过滤算法

#函数思想作者：数学家：高斯#函数功能作者：罗瑶光

#函数用途：用于对像素矩阵邻接噪进行平滑过滤。

#函数解析：通过高斯数学家发明的邻接数据平滑变换算法生成的内核进行带有精度的卷积平滑处理。

package PEU.P.image;

import java.awt.image.BufferedImage;

import java.io.IOException;

public class Guassian {

public int[][] P\_2D(int[][] g,int d,int e,double sig) throws IOException {

int [][]flac\_grn=new Reflection().PadImage(g, d, e);

double kenel[][] = new double[d][e];

double sumhere = 0;

double t = 0;

for(int k = 0; k<d; ++k){

for(int l = 0; l<e; ++l){

t = (Math.pow(k-(d>>1), 2) + Math.pow(l - (e>>1), 2))/(2\*Math.pow(sig, 2));

t = Math.exp(-t);

t = (t)/(Math.PI\*Math.pow(sig, 2)\*2);

kenel[k][l] = t;

sumhere = sumhere + kenel[k][l];

}

}

double sum1=0;

for(int i=0; i<d; ++i){

for(int j=0; j<e; ++j){

kenel[i][j] = kenel[i][j]/sumhere;

sum1 = sum1 + kenel[i][j];

}

}

for (int i=d>>1;i<g.length+d>>1;i++){

for(int j=e>>1;j<g[0].length+e>>1;j++){

double sum=0;

for(int k=0;k<d;k++){

for(int l=0;l<e;l++){

sum=(float)(sum+flac\_grn[i+k-(int)(d>>1)][j+l-(int)(e>>1)]\*kenel[k][l]);

}

}

g[i-(int)(d>>1)][j-(int)(e>>1)]=(int)(sum);

}

}

return new CheckRange().P(g);

}

public int[][] P\_1D(int[][] g,int frection,int kernel,double sig) throws IOException {

int d= frection;

int e= kernel;

int [][]flac\_grn=new Reflection().PadImage(g, d, e);

double kenel[][] = new double[d][e];

double sumrow = 0;

double sumcol = 0;

double t = 0;

for(int k = 0; k<d; ++k){

for(int l = e/2; l<e/2+1; ++l){

t = (Math.pow(k-d/2, 2)+Math.pow(l-e/2, 2))/(2\*Math.pow(sig, 2));

t = Math.exp(-t);

t = (1\*t)/(2\*Math.PI\*Math.pow(sig, 2));

kenel[k][l] = t;

sumrow = sumrow + kenel[k][l];

}

}

double sum1=0;

for(int i=0; i<d; ++i){

for(int j=e/2; j<e/2+1; ++j){

kenel[i][j] = kenel[i][j]/sumrow;

sum1 = sum1 + kenel[i][j];

}

}

//System.out.println("gaussian sum: " + sum1);

////GAUSSIAN KENEL col

for(int k = d/2; k<d/2+1; ++k){

for(int l = 0; l<e; ++l){

t = (Math.pow(k-d/2, 2)+Math.pow(l-e/2, 2))/(2\*Math.pow(sig, 2));

t = Math.exp(-t);

t = (1\*t)/(2\*Math.PI\*Math.pow(sig, 2));

kenel[k][l] = t;

sumcol = sumcol + kenel[k][l];

}

}

//System.out.println("--->"+sumcol);

//--normalization col

double sum2=0;

for(int i=d/2; i<d/2+1; ++i){

for(int j=0; j<e; ++j){

kenel[i][j] = kenel[i][j]/sumcol;

sum2 = sum2 + kenel[i][j];

}

}

//--end of producing gaussian matrix

//System.out.println("gaussian sum: " + sum2);

//GAUSSIAN pro for row

for (int i=d/2;i<g.length+d/2;i++)

{

for(int j=e/2;j<g[0].length+e/2;j++)

{

double sum=0;

for(int k=0;k<d;k++)

{

for(int l=e/2;l<e/2+1;l++)

{

sum=(float)(sum+flac\_grn[i+k-d/2][j+l-e/2]\*kenel[k][l]);

}

}

// System.out.println(sum+"|");

// System.out.println(i-d/2);

// System.out.println(j-e/2);

//System.out.println(g.length);

//if(j-e/2>)

g[i-d/2][j-e/2]=(int)(sum);

// flac\_grn[i][j]=(int)sum;

}

}

//REFLACTION a new of rowed grn

flac\_grn=new Reflection().PadImage(g, d, e);

//GAUSSIAN pro for col

for (int i=d/2;i<g.length+d/2;i++){

for(int j=e/2;j<g[0].length+e/2;j++){

double sum=0;

for(int k=d/2;k<d/2+1;k++){

for(int l=0;l<e;l++){

sum=(float)(sum+flac\_grn[i+k-d/2][j+l-e/2]\*kenel[k][l]);

}

}

// System.out.println(sum);

g[i-d/2][j-e/2]=(int)(sum);

}

}

return new CheckRange().P(g);

}

public BufferedImage P(BufferedImage lygimage, double d, double e,double k)

throws IOException

{

//image to r[][] g[][] b[][]

//r[][]

//g[][]

//b[][]

//r[][]g[][]b[][] to image

//image to r[][] g[][] b[][]

int r[][]=new ReadWritePng().REDpngRead(lygimage);

int g[][]=new ReadWritePng().GRNpngRead(lygimage);

int b[][]=new ReadWritePng().BLUpngRead(lygimage);

//r[][]

r= P\_2D(r,(int)d,(int)e,k);

//g[][]

g= P\_2D(g,(int)d,(int)e,k);

//b[][]

b= P\_2D(b,(int)d,(int)e,k);

//r[][]g[][]b[][] to image

lygimage=new ReadWritePng().createBufferImage(r,g,b);

return lygimage;

}

}

HitAndMiss, 卷积类

=================================================

#函数名：丢失与得到冗余算法#函数思想作者：无法找到

#函数功能作者：罗瑶光

#函数用途：用于处理带有环形的像素分布的深度腐蚀过滤变换 #函数解析：用于处理图片的凹点的标注。

package PEU.P.image;

import java.io.IOException;

public class HitAndMiss{

int[][]kernel;

int[][]GetRegion;

int[][]tempG;

private void initTemp(int[][]thisG) {

tempG=new int[thisG.length][thisG[0].length];

for(int i=0;i<thisG.length;i++){

for(int j=0;j<thisG[0].length;j++){

tempG[i][j]=0;

}

}

}

public int[][] P(int[][] g, int pix, int[][] kenel) throws IOException{

int [][]g1=new int[g.length][g[0].length];

for(int i=0;i<g.length;i++){

for(int j=0;j<g[0].length;j++){

g1[i][j]=g[i][j];

}

}

int thisw=g.length;

int thish=g[0].length;

int w=kenel.length;

int h=kenel[0].length;

int [][]thisG = null;

if((kenel.length%2==0)&&(kenel[0].length%2==0))

thisG= new Reflection().PadImage(g1, kenel.length+1, kenel[0].length+1);

if((kenel.length%2==0)&&(kenel[0].length%2==1))

thisG= new Reflection().PadImage(g1, kenel.length+1, kenel[0].length);

if((kenel.length%2==1)&&(kenel[0].length%2==0))

thisG= new Reflection().PadImage(g1, kenel.length, kenel[0].length+1);

if((kenel.length%2==1)&&(kenel[0].length%2==1))

thisG= new Reflection().PadImage(g1, kenel.length, kenel[0].length);

for(int i=0;i<thisG.length;i++) {

for(int j=0;j<thisG[0].length;j++){

if (thisG[i][j]!=pix){

thisG[i][j]=0; // filter

}

}

}

initTemp(thisG);

for(int i=w/2;i<thisw+w/2;i++){

for(int j=h/2;j<thish+h/2;j++){

int last=0;

for(int p=0;p<w;p++){

for(int q=0;q<h;q++){

int temp = 0;

if(kenel[p][q]==1){

if(thisG[i-w/2+p][j-h/2+q]>0){

temp=1;

}

}

if(kenel[p][q]==0){

if(thisG[i-w/2+p][j-h/2+q]==0){

temp=1;

}

}

if(kenel[p][q]==-1){

temp=1;

}

last=last+temp;

}

}

if (last==w\*h){

tempG[i][j]=thisG[i][j];

}

}

}

return tempG;

}

}

HoughTransform, 卷积类

=================================================

#函数名：霍夫变换

#函数思想作者：Bubble Chamber 1959 #函数功能作者：罗瑶光

#函数用途：用于雷达，气象，图片的角度和曲度值标注。

#函数解析：通过类似傅里叶的公式套用将像素与坐标2个维度进行整合，得到一个观测矩阵。

package PEU.P.image;

public class HoughTransform {

public int [][]HTMatrix;

public void HoughTransformLoop(int[][] g, int pix,int scale) {

// TODO Auto-generated method stub

for(int i=0;i<g.length;i++){

for(int j=0;j<g[0].length;j++){

if(g[i][j]==pix){

for(int p=0;p<360;p++){

double sita=p\*Math.PI/360;

int psita=(int) (i\*Math.cos(sita)+j\*Math.sin(sita));

if (psita<0) psita=0;

HTMatrix[psita][p]=HTMatrix[psita][p]+scale;

}

}

}

}

}

public void IV\_HTMatrix(int[][] g) {

int max=0;

for(int i=0;i<g.length;i++){

for(int j=0;j<g[0].length;j++){

for(int p=0;p<360;p++){

double sita=p\*Math.PI/360;

int temp=(int) (i\*Math.cos(sita)+j\*Math.sin(sita));

if (temp>=max) {

max=temp;

}

}

}

}

HTMatrix=new int[max+1][360];

for(int p=0;p<360;p++) {

for(int psita=0;psita<max+1;psita++ ) {

HTMatrix[psita][p]=0;

}

}

}

}

Laplacian, 卷积类

=================================================

#函数名：拉普拉斯过滤

#函数思想作者：拉普拉斯#函数功能作者：罗瑶光

#函数用途：用于超快速的得到图片中像素边缘。

#函数解析：通过拉普拉斯算子进行矩阵卷积处理。

package PEU.P.image;

import java.io.IOException;

public class Laplacian {

public int[][] P( int[][] g) throws IOException {

int[][] refG = new Reflection().PadImage(g, 3, 3);

int[]size = {g.length,g[0].length};

double[][] Gx = new double [size[0]][size[1]];

int[][] gxk = new int[][]{

{ 0, 1, 0},

{ 1, -4, 1},

{ 0, 1, 0}};;

//GROUP OPERATION

Gx= new Group\_O().GO(gxk, refG, size);

for(int i=0;i<Gx.length;i++){

for(int j=0;j<Gx[0].length;j++){

g[i][j]=(int) (Gx[i][j]/8+127);

}

}

return new CheckRange().P(g);

}

}

Mask, 卷积类

=================================================

#函数名：掩码归零

#函数思想作者：罗瑶光#函数功能作者：罗瑶光

#函数用途：用于基于掩码的矩阵快速归零 #函数解析：矩阵遍历条件比较归零。

package PEU.P.image;

import java.io.IOException;

public class Mask {

public int[][] P(int[][] mag,int[][]dir) throws IOException {

for(int i =0;i< mag.length;i++){

for(int j =0;j< mag[0].length;j++){

if (mag[i][j]==0){

dir[i][j]=0;

}

}

}

return dir;

}

}

Median, 卷积类

=================================================

#函数名：均值过滤#函数思想作者：无

#函数功能作者：罗瑶光

#函数用途：用于像素平滑过滤

#函数解析：通过每一个像素的周围算子进行求和的平均值来做平滑卷积过滤。

package PEU.P.image;

import java.awt.image.BufferedImage;

import java.io.IOException;

public class Median {

public int[][] P(int[][] g,int d,int e) throws IOException {

int[][] refG = new Reflection().PadImage(g, d, e);

int[] neib=new int[d\*e];//for sort

for(int i=d/2;i<g.length+d/2;i++){

for(int j=e/2;j<g[0].length+e/2;j++) {

int q=0;

for(int k=0;k<d;k++) {

for(int l=0;l<e;l++) {

//find 3\*3

neib[q++]=refG[i+k-d/2][j+l-e/2];

//sort 3\*3 bbsort

}}

for(int o=0;o<9;o++) {

for(int p=0;p<9;p++){

if (neib[o] > neib[p]) {

int temp = neib[o];

neib[o] = neib[p];

neib[p] = temp;

}

}

}

//get median

g[i-d/2][j-e/2]=neib[(d\*e)/2];// 4 is middle valueof sort 9

}

}

return new CheckRange().P(g);

}

public BufferedImage P(BufferedImage lygimage, int d, int e) throws IOException {

//image to r[][] g[][] b[][]

//r[][]

//g[][]

//b[][]

//r[][]g[][]b[][] to image

//image to r[][] g[][] b[][]

int r[][]=new ReadWritePng().REDpngRead(lygimage);

int g[][]=new ReadWritePng().GRNpngRead(lygimage);

int b[][]=new ReadWritePng().BLUpngRead(lygimage);

//r[][]

r=P(r,d,e);

//g[][]

g=P(g,d,e);

//b[][]

b=P(b,d,e);

//r[][]g[][]b[][] to image

lygimage=new ReadWritePng().createBufferImage(r,g,b);

return lygimage;

}

}

Opening, 卷积类

===============================================

#函数名：像素细化膨胀处理中的逼近非连接处理 #函数思想作者：无

#函数功能作者：罗瑶光

#函数用途：像素在细化过程中的膨胀逼近非连接处理。

package PEU.P.image;

public class Opening {

public int[][] P(int[][]g,int[][]kenel){

int[][] opening=new Erosion().P(g,kenel);

opening=new Dilation().P(opening, kenel);

return opening;

}

}

ReadWritePng, 卷积类

=================================================

#函数名：像素矩阵的文件读写#函数思想作者：罗瑶光

#函数功能作者：罗瑶光

#函数用途：像素矩阵的文件读写

package PEU.P.image;

import java.awt.image.BufferedImage;

import java.io.File;

import java.io.IOException;

import javax.imageio.ImageIO;

public class ReadWritePng {

public int h;

public int w;

public void writePNG(String args, int[][] outmag) throws IOException{

BufferedImage image = new BufferedImage(outmag[0].length, outmag.length, BufferedImage.TYPE\_INT\_RGB);

for (int i = 0; i < image.getHeight(); ++i) {

for (int j = 0; j < image.getWidth(); ++j) {

int val = (int) outmag[i][j];

int pixel = (val << 16) | (val << 8) | (val);

image.setRGB(j, i, pixel);

}

}

String pathBin = args;//output path

File outputBin = new File(pathBin);

ImageIO.write(image, "png", outputBin);

}

public void writePNG(String args, int[][][] outmag) throws IOException{

BufferedImage image = new BufferedImage(outmag[0][0].length, outmag[0].length, BufferedImage.TYPE\_INT\_RGB);

for (int i = 0; i < image.getHeight(); ++i) {

for (int j = 0; j < image.getWidth(); ++j) {

int rval = (int) outmag[0][i][j];

int gval = (int) outmag[1][i][j];

int bval = (int) outmag[2][i][j];

int pixel = (rval << 16) | (gval << 8) | (bval);

image.setRGB(j, i, pixel);

}

}

String pathBin = args;//output path

File outputBin = new File(pathBin);

ImageIO.write(image, "png", outputBin);

}

public ReadWritePng(){

}

public int[][] GRNpngRead(String args) throws IOException {

BufferedImage image = ImageIO.read(new File(args));

// extract R, G, B values

h = image.getHeight();

w = image.getWidth();

System.out.println(h+"&&"+w);

int[][] g = new int[h][w];

for (int i = 0; i < h; i++){

for (int j = 0; j < w; j++){

g[i][j] = image.getRGB(j, i) >> 8 & 0xFF;

}

}

return g;

}

public int[][] GRNpngRead(BufferedImage image) throws IOException {

// extract R, G, B values

h = image.getHeight();

w = image.getWidth();

System.out.println(h+"&&"+w);

int[][] g = new int[h][w];

for (int i = 0; i < h; i++){

for (int j = 0; j < w; j++){

g[i][j] = image.getRGB(j, i) >> 8 & 0xFF;

}

}

return g;

}

public int[][] REDpngRead(String args) throws IOException {

BufferedImage image = ImageIO.read(new File(args));

// extract R, G, B values

h = image.getHeight();

w = image.getWidth();

int[][] r = new int[h][w];

for (int i = 0; i < h; i++){

for (int j = 0; j < w; j++){

r[i][j] = image.getRGB(j, i) >> 16 & 0xFF;

//x,y coordinates opposite to array

}

}

return r;

}

public int[][] REDpngRead(BufferedImage image) throws IOException {

// extract R, G, B values

h = image.getHeight();

w = image.getWidth();

int[][] r = new int[h][w];

for (int i = 0; i < h; i++){

for (int j = 0; j < w; j++){

r[i][j] = image.getRGB(j, i) >> 16 & 0xFF;

//x,y coordinates opposite to array

}

}

return r;

}

public int[][] BLUpngRead(String args) throws IOException {

BufferedImage image = ImageIO.read(new File(args));

// extract R, G, B values

h = image.getHeight();

w = image.getWidth();

int[][] b = new int[h][w];

for (int i = 0; i < h; i++){

for (int j = 0; j < w; j++){

b[i][j] = image.getRGB(j, i) & 0xFF;

}

}

return b;

}

public int[][] BLUpngRead(BufferedImage image) throws IOException {

// extract R, G, B values

h = image.getHeight();

w = image.getWidth();

int[][] b = new int[h][w];

for (int i = 0; i < h; i++){

for (int j = 0; j < w; j++){

b[i][j] = image.getRGB(j, i) & 0xFF;

}

}

return b;

}

public int[] sizeHW(String args) throws IOException {

BufferedImage image = ImageIO.read(new File(args));

int size[] =new int[2];

size[0]= image.getHeight();

size[1]= image.getWidth();

return size;

}

public BufferedImage createBufferImage(int[][] r, int[][] g, int[][] b) {

BufferedImage image

= new BufferedImage(r[0].length, r.length, BufferedImage.TYPE\_INT\_RGB);

for (int i = 0; i < image.getHeight(); ++i) {

for (int j1 = 0; j1 < image.getWidth(); ++j1) {

int rr = (int) r[i][j1];

int gg = (int) g[i][j1];

int bb = (int) b[i][j1];

int pixel = (rr << 16) | (gg << 8) | (bb);

image.setRGB(j1, i, pixel);

}

}

return image;

}

}

RegionGet, 卷积类

=================================================

#函数名：像素矩阵的文件读写#函数思想作者：罗瑶光

#函数功能作者：罗瑶光

#函数用途：像素矩阵的文件读写

package PEU.P.image;

import java.io.IOException;

public class RegionGet {

int[] pix;

public int []new\_region;

public int scale;

public RegionGet(int[][] g) throws IOException{

int n=0;

pix=new int[256];

for (int i=0;i<g.length;i++){

for(int j=0;j<g[0].length;j++) {

pix[g[i][j]]++;

}

}

for(int i=0;i<256;i++){

if(pix[i]>0){

n++;

}

}

System.out.println(n);

new\_region=new int[n];

n=0;

for(int i = 0; i < 256; i++){

if(pix[i]>0) {

new\_region[n++] = i;

}

}

System.out.println("value"+n);

scale=new\_region.length-1;

//return new\_region;

}

public void buildGraph(int[][] g,String output) throws IOException{

int[][]temp=new int[g.length][g[0].length];

for(int q=0;q<g.length;q++) {

for(int p=0;p<g[0].length;p++) {

temp[q][p]=g[q][p];

}

}

for(int q=0;q<g.length;q++) {

for(int p=0;p<g[0].length;p++){

for(int i=0;i<scale;i++){

if (temp[p][q]==new\_region[i]){

temp[p][q]=255/scale\*i;

}

}

}

}

new ReadWritePng().writePNG(output, temp);

}

}

Sobel, 卷积类

=================================================

#函数名：索贝尔过滤算法 #函数思想作者：R.Fletche #函数功能作者：罗瑶光

#函数用途：用于图形的数据边缘识别

#函数解析：通过索贝尔算子做卷积(dir)边缘过滤和（mag）梯度过滤，然后两种对象2选1输出。

package PEU.P.image;

import java.io.IOException;

public class Sobel {

public int[][] P( int[][] g,int choice) throws IOException {

int[][] refG = new Reflection().PadImage(g, 3, 3);

int[]size = {g.length,g[0].length};

double[][] Gx = new double [size[0]][size[1]];

double[][] Gy = new double [size[0]][size[1]];

int[][] gxk = new int[][]{{-1, 0, 1},{-2, 0, 2},{-1, 0, 1}};;

int[][] gyk = new int[][]{{-1,-2,-1},{ 0, 0, 0},{ 1, 2, 1}};

//GROUP OPERATION

Gx= new Group\_O().GO(gxk, refG, size);

Gy= new Group\_O().GO(gyk, refG, size);

//MAG operation

int[][] outmag = mag(Gx,Gy,size);

//DIR operation

int[][] outdir = dir(Gx,Gy,size);

switch (choice){

case 1: return outmag;

case 2: return outdir;

default: return null;

}

}

private int[][] mag(double[][] gx,double[][] gy,int[]size ) throws IOException{

double[][] mag = new double[size[0]][size[1]];

int[][] outmag = new int[size[0]][size[1]];

for(int i = 0;i<size[0];i++){

for(int j = 0;j<size[1];j++){

mag[i][j] = Math.sqrt(Math.pow(gx[i][j], 2)+Math.pow(gy[i][j], 2));

outmag[i][j] = (int)(mag[i][j]/(1020\*Math.sqrt(2))\*255);

}

}

return new CheckRange().P(outmag);

}

private int[][] dir(double[][] gx,double[][] gy,int[]size) throws IOException{

double[][] dir = new double[size[0]][size[1]];

int[][] outdir = new int[size[0]][size[1]];

for(int i = 0;i<size[0];i++){

for(int j = 0;j<size[1];j++){

dir[i][j] = Math.atan2(gy[i][j], gx[i][j]);

outdir[i][j] = (int)((dir[i][j]+Math.PI)/(2\*Math.PI)\*32)\*8;

if(outdir[i][j]>255){

outdir[i][j]=255;

}

}

}

return new CheckRange().P(outdir);

}

public int[][] P\_WithMask(int[][] g, int choice, int mask) throws IOException {

int[][] refG = new Reflection().PadImage(g, 3, 3);

int[]size = {g.length,g[0].length};

double[][] Gx = new double [size[0]][size[1]];

double[][] Gy = new double [size[0]][size[1]];

int[][] gxk = new int[][]{{-1, 0, 1},{-2, 0, 2},{-1, 0, 1}};;

int[][] gyk = new int[][]{{-1,-2,-1},{ 0, 0, 0},{ 1, 2, 1}};

//GROUP OPERATION

Gx= new Group\_O().GO(gxk, refG, size);

Gy= new Group\_O().GO(gyk, refG, size);

//MAG operation

int[][] outmag = mag(Gx,Gy,size,mask);

//DIR operation

int[][] outdir = dir(Gx,Gy,size);

switch (choice){

case 1: return outmag;

case 2: return outdir;

default: return null;

}

}

private int[][] mag(double[][] gx, double[][] gy, int[] size, int mask) throws IOException {

double[][] mag = new double[size[0]][size[1]];

int[][] outmag = new int[size[0]][size[1]];

for(int i = 0;i<size[0];i++){

for(int j = 0;j<size[1];j++){

mag[i][j] = Math.sqrt(Math.pow(gx[i][j], 2)+Math.pow(gy[i][j], 2));

outmag[i][j] = (int)(mag[i][j]/(1020\*Math.sqrt(2))\*255);

if(outmag[i][j] >20) {

outmag[i][j]=255;

}else {

outmag[i][j]=0;

}

}

}

return new CheckRange().P(outmag);

}

}

Strech, 卷积类

=================================================

#函数名：像色拉伸算法 #函数思想作者：无法找到#函数功能作者：罗瑶光

#函数用途：用于图形的色彩拉伸

#函数解析：将0~255的像素中某个段进行重新按0~255比例拉伸。

package PEU.P.image;

import java.awt.image.BufferedImage;

import java.io.IOException;

public class Strech {

public int[][] P(int[][] g,double d,double e) throws IOException {

int histgram[] = new int[256];

for (int i = 0; i < g.length; i++) {

for (int j = 0; j < g[0].length; j++) {

++histgram[g[i][j]];

}

}

float p = 0;

int br = 0,dr = 0;

for(int i=0;i<256;i++) {

p=p+histgram[i];

if(p > d\* g.length\*g[0].length){

dr=i;

break;

}

}

//System.out.println("dr:"+dr);

p = 0;

for(int i=0;i<256;i++){

p=p+histgram[i];

if(p > e\* g.length\*g[0].length){

br=i;

break;

}

}

//System.out.println("br:"+br);

int out[][] = new int[g.length][g[0].length];

for (int i = 0; i < g.length; i++) {

for (int j = 0; j < g[0].length; j++) {

if(br-dr!=0) {

out[i][j]=(g[i][j]-dr)\*255/(br-dr);

}

}

}

return new CheckRange().P(out);

}

public BufferedImage P(BufferedImage lygimage, double d, double e) throws IOException {

//image to r[][] g[][] b[][]

//r[][]

//g[][]

//b[][]

//r[][]g[][]b[][] to image

//image to r[][] g[][] b[][]

int r[][]=new ReadWritePng().REDpngRead(lygimage);

int g[][]=new ReadWritePng().GRNpngRead(lygimage);

int b[][]=new ReadWritePng().BLUpngRead(lygimage);

//r[][]

r=P(r,d,e);

//g[][]

g=P(g,d,e);

//b[][]

b=P(b,d,e);

//r[][]g[][]b[][] to image

lygimage=new ReadWritePng().createBufferImage(r,g,b);

return lygimage;

}

}

Threshold, 卷积类

=================================================

#函数名：2分极化算法

#函数思想作者：无法找到#函数功能作者：罗瑶光

#函数用途：用于图形的色彩极化区分

**#函数解析：将0~255的像素中按条件分离成 0 和255.**

package PEU.P.image;

public class Threshold {

public int[][] P (int[][] g, int Td){

int[][] out= new int[g.length][g[0].length];

for (int i = 0; i < g[0].length; ++i) {

for (int j = 0; j < g.length; ++j) {

if( g[j][i]> Td){

out[j][i]= 255;

}

}

}

return out;

}

public int[][] P\_Section(int[][] g, int Ts, int Td) {

int[][] out= new int[g.length][g[0].length];

for (int i= 0; i< g[0].length; ++i) {

for (int j= 0; j< g.length; ++j) {

if(g[j][i]> Td){

out[j][i]= 255;

}else {

if(g[j][i]> Ts){

out[j][i]= 128;

}

}

}

}

return out;

}

}

CnnMeasure, 卷积类

=================================================

#函数名：卷积均值算法

#函数思想作者：Yann LeCun

#函数功能作者：罗瑶光

#函数用途：用于处理矩阵的列平均值比率计算

#函数解析：通过矩阵的列的算子和来求其所在的列的概率比率。

package PEU.P.matrix;

public class CnnMeasure{

public double[][] getCnnMeansure(double inputs[][]){

double[][] output = new double[inputs.length][inputs[0].length];

double[] Kernel= new double[inputs[0].length];

for(int j = 0; j<inputs[0].length;j++) {

double sum=0;

for(int k = 0; k<inputs.length;k++) {

sum+=inputs[k][j];

}

Kernel[j] = sum;

}

for(int i = 0; i<inputs.length;i++) {

for(int j = 0; j<inputs[0].length;j++) {

output[i][j] = inputs[i][j]/Kernel[j];

}

}

return output;

}

}

DETA\_ANN\_HMM, 卷积类

=================================================

#函数名：卷积均值算法针对我的deta parser项目#函数思想作者：Yann LeCun

#函数功能作者：罗瑶光

#函数用途：用于处理矩阵的列平均值比率计算

#函数解析：通过矩阵的列的算子和来求其所在的列的概率比率。

#备注：从7开始是因为我的detaParser对应矩阵数据前6个存放了非计算数据。

package PEU.P.nlp;

import java.io.IOException;

//作者 罗瑶光

public class DETA\_ANN\_HMM {

public String[][] summing\_P(String[][] inputNLP) throws IOException

, InstantiationException, IllegalAccessException {

String[][] outNLP = inputNLP.clone();

if(0== inputNLP.length) {

return outNLP;

}

for(int i = 7; i < inputNLP[0].length; i++) {

for(int j = 0; j < inputNLP.length; j++) {

double sum = 0;

for(int k = 0;k < inputNLP.length; k++) {

sum += Double.valueOf(inputNLP[k][i]);

}

//System.out.println(sum);

outNLP[j][i] = "" + Double.valueOf(inputNLP[j][i])/sum;

}

}

return outNLP;

}

}

DETA\_DNN, 卷积类

=================================================

#函数名：卷积深度均值组合算法针对我的deta parser读心术重心项目

#函数思想作者：<lwa: Geoffrey Hinton> <cnn: Yann LeCun> <整体函数：罗瑶光> #函数功能作者：罗瑶光

#函数用途：用于deta读心术的词汇重心比率计算

#函数解析：将ann的数据进行rnn的卷积做LWA卷积处理。

#备注：从7开始是因为我的detaParser对应矩阵数据前6个存放了非计算数据。

//package PEU.P.nlp;

//import java.io.IOException;

//public class DETA\_DNN {

// public String[][] summing\_P(String[][] ann, String[][] rnn) throws IOException

// , InstantiationException, IllegalAccessException {

////SUM OF LWA DNN

////1 DNN AOP OF DNN

////IDE= "亲密，离散，位置"

//String[][] dnn = new String[rnn.length][4];

//for(int i = 0; i < rnn.length; i++) {

// dnn[i][0] = rnn[i][0];

// double important = 0;

// for(int j = 0; j < rnn.length; j++) {

// important += DetaDouble.parseDouble(rnn[j][2]);

// }

// dnn[i][1] = "" + Math.sqrt(important \* DetaDouble.parseDouble(rnn[i][1]));

//}

////2 DNN CORRELATION LWA

//for(int i = 0; i < rnn.length; i++) {

// double correlation = 0;

// double sumOfPow = 0;

// for(int j = 0; j < rnn.length; j++) {

// sumOfPow += DetaDouble.parseDouble(rnn[j][3]);

// //sumOfPow += Math.abs(DetaDouble.parseDouble(rnn[i][3]) - DetaDouble.parseDouble(rnn[j][3]));

// }

////2 sumOfPow = Math.abs(DetaDouble.parseDouble(rnn[i][3]) \* (double)rnn.length - sumOfPow);

//// sumOfPow /= rnn.length;

// sumOfPow = Math.abs(DetaDouble.parseDouble(rnn[i][3]) - sumOfPow/rnn.length);//3

// correlation = DetaDouble.parseDouble(dnn[i][1]) \* sumOfPow;

// dnn[i][2] = "" + Math.sqrt(correlation);

//}

////3 DNN and summing ANN combination

//for(int i = 0; i < ann.length; i++) {

// double summingANN = 0;

// double combination = 0;

// for(int j = 7; j < ann[0].length; j++) {

// summingANN += DetaDouble.parseDouble(ann[i][j]);

// }

// combination = summingANN \* DetaDouble.parseDouble(dnn[i][2]);

// dnn[i][3] = "" + combination;

//}

//return dnn;

// }

//}

package PEU.P.nlp;

import java.io.IOException;

import MSV.OSQ.sets.DetaDouble;

//作者 罗瑶光

public class DETA\_DNN {

public String[][] summing\_P(String[][] ann, String[][] rnn) throws IOException

, InstantiationException, IllegalAccessException {

//SUM OF LWA DNN

//1 DNN AOP OF DNN

//IDE= "亲密，离散，位置"

String[][] dnn = new String[rnn.length][4];

for(int i = 0; i < rnn.length; i++) {

dnn[i][0] = rnn[i][0];

double important = 0;

for(int j = 0; j < rnn.length; j++) {

//important += Double.parseDouble(rnn[j][2]);

//修正一处"NaN" 识别 罗瑶光20210429

important += DetaDouble.parseDouble(rnn[j][2]);

}

dnn[i][1] = "" + Math.sqrt(important \* DetaDouble.parseDouble(rnn[i][1]));

}

//2 DNN CORRELATION LWA

for(int i = 0; i < rnn.length; i++) {

double correlation = 0;

double sumOfPow = 0;

for(int j = 0; j < rnn.length; j++) {

//sumOfPow += Double.parseDouble(rnn[j][3]);

//修正一处"NaN" 识别 罗瑶光20210429

sumOfPow += DetaDouble.parseDouble(rnn[j][3]);

//sumOfPow += Math.abs(DetaDouble.parseDouble(rnn[i][3]) - DetaDouble.parseDouble(rnn[j][3]));

}

//2 sumOfPow = Math.abs(DetaDouble.parseDouble(rnn[i][3]) \* (double)rnn.length - sumOfPow);

// sumOfPow /= rnn.length;

sumOfPow = Math.abs(DetaDouble.parseDouble(rnn[i][3]) - sumOfPow/rnn.length);//3

correlation = DetaDouble.parseDouble(dnn[i][1]) \* sumOfPow;

dnn[i][2] = "" + Math.sqrt(correlation);

}

//3 DNN and summing ANN combination

for(int i = 0; i < ann.length; i++) {

double summingANN = 0;

double combination = 0;

for(int j = 7; j < ann[0].length; j++) {

//summingANN += Double.parseDouble(ann[i][j]);

//修正一处"NaN" 识别 罗瑶光20210429

summingANN += DetaDouble.parseDouble(ann[i][j]);

}

combination = summingANN \* DetaDouble.parseDouble(dnn[i][2]);

dnn[i][3] = "" + combination;

}

return dnn;

}

}

BinarySearch, 排序搜索类

=================================================

#函数名：2分发搜索

#函数思想作者：无法找到#函数功能作者：罗瑶光

#函数用途：用于快速2分查找

#函数解析：通过2的指数方拆分进行非线性快速查找

package PEU.P.search;

public class BinarySearch{

public boolean search(int [] array,int n) {

int low = 0;

int high=array.length-1;

while(low<high){

int mid=(low+high)/2;

if(array[mid]==n) {

return true;

}else {

if(n<array[mid]) {

high=mid-1;

}else{

low=mid+1;

}

}

}

return false;

}

}

BreadthRun, 排序搜索类

=================================================

#函数名：广度8叉数搜索验证算法#函数思想作者：罗瑶光

#函数功能作者：罗瑶光

#函数用途：用于快速8叉查找

#函数解析：通过递归来进行8叉树广度查找。

package PEU.P.search;

import PEU.P.sort.\*;

//import com.sun.image.codec.jpeg.JPEGCodec;

//import com.sun.image.codec.jpeg.JPEGImageDecoder;

public class BreadthRun extends Thread{

public boolean result;

Leaf temp1;

int n;

public boolean end=false;

public Node head,back;

public BreadthRun(Leaf root, int n1) {

temp1=root;

n=n1;

}

@Override

public void run(){

result=false;

Q\_(temp1);

while(head!=null){

pop();

}

end=true;

}

@SuppressWarnings("unused")

private void pop() {

if(head!=null){

if(head.value.sort==0){

if(head.value.hasO1==1){

if(n == head.value.value[0]){

result=true;

end=true;

}

}

if(head.value.hasO2==1){

if(n == head.value.value[1]){

result=true;

end=true;

}

}

if(head.value.hasO3==1){

if(n == head.value.value[2]){

result=true;

end=true;

}

}

if(head.value.hasO4==1){

if(n == head.value.value[3]){

result=true;

end=true;

}

}

if(head.value.hasO5==1){

if(n == head.value.value[4]){

result=true;

end=true;

}

}

if(head.value.hasO6==1){

if(n == head.value.value[5]){

result=true;

end=true;

}

}

if(head.value.hasO7==1){

if(n == head.value.value[6]){

result=true;

end=true;

}

}

head.value.sort=1;

if(head.value.O1!=null&&head.value.O1.sort==0)

push(head.value.O1);

if(head.value.O2!=null&&head.value.O2.sort==0)

push(head.value.O2);

if(head.value.O3!=null&&head.value.O3.sort==0)

push(head.value.O3);

if(head.value.O4!=null&&head.value.O4.sort==0)

push(head.value.O4);

if(head.value.O5!=null&&head.value.O5.sort==0)

push(head.value.O5);

if(head.value.O6!=null&&head.value.O6.sort==0)

push(head.value.O6);

if(head.value.O7!=null&&head.value.O7.sort==0)

push(head.value.O7);

if(head.value.O8!=null&&head.value.O8.sort==0)

push(head.value.O8);

}

}

Node vv=head;

head=head.next;

vv=null;

}

private void Q\_(Leaf temp) {

// TODO Auto-generated method stub

if(temp!=null){

if(temp.sort==0){

if(temp.hasO1==1){

if(n == temp.value[0]){

result=true;

end=true;

}

}

if(temp.hasO2==1){

if(n == temp.value[1]){

result=true;

end=true;

}

}

if(temp.hasO3==1){

if(n == temp.value[2]){

result=true;

end=true;

}

}

if(temp.hasO4==1)

{

if(n == temp.value[3]){

result=true;

end=true;

}

}

if(temp.hasO5==1){

if(n == temp.value[4]){

result=true;

end=true;

}

}

if(temp.hasO6==1){

if(n == temp.value[5]){

result=true;

end=true;

}

}

if(temp.hasO7==1){

if(n == temp.value[6]){

result=true;

end=true;

}

}

temp.sort=1;

if(temp.O1!=null&&temp.O1.sort==0)

push(temp.O1);

if(temp.O2!=null&&temp.O2.sort==0)

push(temp.O2);

if(temp.O3!=null&&temp.O3.sort==0)

push(temp.O3);

if(temp.O4!=null&&temp.O4.sort==0)

push(temp.O4);

if(temp.O5!=null&&temp.O5.sort==0)

push(temp.O5);

if(temp.O6!=null&&temp.O6.sort==0)

push(temp.O6);

if(temp.O7!=null&&temp.O7.sort==0)

push(temp.O7);

if(temp.O8!=null&&temp.O8.sort==0)

push(temp.O8);

}

}

}

private void push(Leaf cur) {

// TODO Auto-generated method stub

if(head==null){

head=new Node();

head.value=cur;

back=head;

}else{

Node curr=new Node();

curr.value=cur;

back.next=curr;

back=curr;

}

}

}

BreadthTreeSearch, 排序搜索类

=================================================

#函数名：广度搜索验证算法#函数思想作者：罗瑶光

#函数功能作者：罗瑶光

#函数用途：自己写的验证原型

package PEU.P.search;

import PEU.P.sort.\*;

public class BreadthTreeSearch{

public boolean search(Leaf root,int n1) {

BreadthRun pr=new BreadthRun(root,n1);

Thread t=new Thread(pr);

t.run();

while(true) {

if(pr.end){

break;

}

}

boolean ans=pr.result;

t=null;

pr=null;

return ans;

}

}

DepthRun, 排序搜索类

=================================================

#函数名：深度搜索验证算法#函数思想作者：罗瑶光

#函数功能作者：罗瑶光

#函数用途：自己写的验证原型

package PEU.P.search;

import PEU.P.sort.\*;

//import com.sun.image.codec.jpeg.JPEGCodec;

//import com.sun.image.codec.jpeg.JPEGImageDecoder;

public class DepthRun extends Thread{

public boolean result;

Leaf temp1;

int n;

public boolean end=false;

public DepthRun(Leaf root, int n1) {

temp1=root;

n=n1;

}

@Override

public void run(){

result=false;

Q\_(temp1);

end=true;

}

private void Q\_(Leaf temp) {

if(temp!=null){

if(temp.sort==0){

if(temp.hasO1==1){

if(n == temp.value[0]){

result=true;

end=true;

}

}

if(temp.hasO2==1){

if(n == temp.value[1]){

result=true;

end=true;

}

}

if(temp.hasO3==1){

if(n == temp.value[2]){

result=true;

end=true;

}

}

if(temp.hasO4==1){

if(n == temp.value[3]){

result=true;

end=true;

}

}

if(temp.hasO5==1){

if(n == temp.value[4]){

result=true;

end=true;

}

}

if(temp.hasO6==1){

if(n == temp.value[5]){

result=true;

end=true;

}

}

if(temp.hasO7==1){

if(n == temp.value[6]){

result=true;

end=true;

}

}

temp.sort=1;

if(temp.O1!=null&&temp.O1.sort==0)

Q\_(temp.O1);

if(temp.O2!=null&&temp.O2.sort==0)

Q\_(temp.O2);

if(temp.O3!=null&&temp.O3.sort==0)

Q\_(temp.O3);

if(temp.O4!=null&&temp.O4.sort==0)

Q\_(temp.O4);

if(temp.O5!=null&&temp.O5.sort==0)

Q\_(temp.O5);

if(temp.O6!=null&&temp.O6.sort==0)

Q\_(temp.O6);

if(temp.O7!=null&&temp.O7.sort==0)

Q\_(temp.O7);

if(temp.O8!=null&&temp.O8.sort==0)

Q\_(temp.O8);

}

}

}

}

DepthTreeSearch, 排序搜索类

package PEU.P.search;

import PEU.P.sort.\*;

public class DepthTreeSearch{

public boolean search(Leaf root,int n1) {

DepthRun pr=new DepthRun(root,n1);

Thread t=new Thread(pr);

t.run();

while(true) {

if(pr.end){

break;

}

}

boolean ans=pr.result;

t=null;

pr=null;

return ans;

}

}

LinerSearch, 排序搜索类

=================================================

#函数名：线性搜索验证算法#函数思想作者：罗瑶光

#函数功能作者：罗瑶光

#函数用途：自己写的验证原型

package PEU.P.search;

public class LinerSearch{

public boolean search(int [] array,int n) {

for(int i=0;i<array.length;i++){

if(array[i]==n)

return true;

}

return false;

}

}

PreorderRun, 排序搜索类

=================================================

#函数名：前序树搜索验证算法#函数思想作者：罗瑶光

#函数功能作者：罗瑶光

#函数用途：自己写的验证原型

package PEU.P.search;

import PEU.P.sort.\*;

//import com.sun.image.codec.jpeg.JPEGCodec;

//import com.sun.image.codec.jpeg.JPEGImageDecoder;

public class PreorderRun extends Thread{

public boolean result;

Leaf temp1;

int n;

public boolean end=false;

public PreorderRun(Leaf root, int n1) {

temp1=root;

n=n1;

}

@Override

public void run(){

result=false;

Q\_(temp1);

end=true;

}

private void Q\_(Leaf temp) {

if(temp!=null){

Q\_(temp.O1);

if(temp.hasO1==1){

if(n == temp.value[0]){

result=true;

end=true;

}

}

Q\_(temp.O2);

if(temp.hasO2==1){

if(n == temp.value[1]){

result=true;

end=true;

}

}

Q\_(temp.O3);

if(temp.hasO3==1){

if(n == temp.value[2]){

result=true;

end=true;

}

}

Q\_(temp.O4);

if(temp.hasO4==1){

if(n == temp.value[3]){

result=true;

end=true;

}

}

Q\_(temp.O5);

if(temp.hasO5==1){

if(n == temp.value[4]){

result=true;

end=true;

}

}

Q\_(temp.O6);

if(temp.hasO6==1){

if(n == temp.value[5]){

result=true;

end=true;

}

}

Q\_(temp.O7);

if(temp.hasO7==1){

if(n == temp.value[6]){

result=true;

end=true;

}

}

Q\_(temp.O8);

}

}

}

PreorderTreeSearch, 排序搜索类

=================================================

#函数名：前序树搜索验证算法#函数思想作者：罗瑶光

#函数功能作者：罗瑶光

#函数用途：自己写的验证原型

package PEU.P.search;

import PEU.P.sort.\*;

public class PreorderTreeSearch{

public boolean search(Leaf root,int n1) {

PreorderRun pr=new PreorderRun(root,n1);

Thread t=new Thread(pr);

t.run();

while(true){

if(pr.end){

break;

}

}

boolean ans=pr.result;

t=null;

pr=null;

return ans;

}

}

RandomSearch, 排序搜索类

=================================================

#函数名：随机搜索验证算法#函数思想作者：罗瑶光

#函数功能作者：罗瑶光

#函数用途：自己写的验证原型

package PEU.P.search;

public class RandomSearch{

public boolean search(int [] array,int n) {

int ran[] = new int[array.length];

java.util.Random r = new java.util.Random();

int i=0;

while(i<array.length){

int j = r.nextInt(array.length);

if(ran[j] == 0) {

if(array[j] == n){

return true;

}else{

ran[j]=1;

i+=1;

}

}

}

return false;

}

}

BinarySort, 排序搜索类

=================================================

#函数名：2分法排序算法#函数思想作者：罗瑶光

#函数功能作者：罗瑶光

#函数用途：自己写的验证原型

package PEU.P.sort;

public class BinarySort{

public int[] sort(int [] a) {

int ps = 0;

int pb = 0;

int fs=0;

int fb=0;

int e=a.length;

for(int i=0;i<e;i++,e--){

int s=a[i];

int b=a[i];

for(int j=i;j<e;j++){

if(s>a[j]){

s=a[j];

ps=j;

fs=1;

}

if(b<a[j]){

b=a[j];

pb=j;

fb=1;

}

}

if(fs==1){

fs=0;

int temp=a[i];

a[i]=s;

a[ps]=temp;

}

if(fb==1){

int temp=a[e-1];

a[e-1]=b;

a[pb]=temp;

}

}

return a;

}

}

BTreeSort, 排序搜索类

=================================================

#函数名：2叉数排序算法#函数思想作者：罗瑶光

#函数功能作者：罗瑶光

#函数用途：自己写的验证原型

package PEU.P.sort;

public class BTreeSort{

public Leaf root;

public Leaf heap;

int c;

int a1[];

public int[] sort(int [] a) {

//make tree

c=0;

a1=new int[a.length];

if(root==null){

root=new Leaf();

root.value[0]=a[0];

root.hasO1=1;

}

for(int i=1;i<a.length;i++){

heap=root;

I\_leaf(a[i]);

}

heap=root;

Q\_(heap);

return a1;

}

private void Q\_(Leaf temp) {

// TODO Auto-generated method stub

if(temp!=null){

Q\_(temp.O1);

a1[c]=temp.value[0];

c+=1;

Q\_(temp.O2);

}

}

private void I\_leaf(int i) {

if(i<=heap.value[0]){

if(heap.O1==null){

heap.O1=new Leaf();

heap=heap.O1;

heap.value[0]=i;

root.hasO1=1;

return;

}

else{

heap=heap.O1;

I\_leaf(i);

}

}

else{

if(heap.O2==null){

heap.O2=new Leaf();

heap=heap.O2;

heap.value[0]=i;

root.hasO1=1;

return;

}else{

heap=heap.O2;

I\_leaf(i);

}

}

}

public Leaf root(int[] a) {

if(root==null){

root=new Leaf();

root.value[0]=a[0];

root.hasO1=1;

}for(int i=1;i<a.length;i++){

heap=root;

I\_leaf(a[i]);

}

// TODO Auto-generated method stub

return root;

}

}

Heap\_1D\_Sort, 排序搜索类

=================================================

#函数名：堆排序算法#函数思想作者：无

#函数功能作者：罗瑶光

#函数用途：自己写的验证原型

package PEU.P.sort;

public class Heap\_1D\_Sort{

int a[],s;

public int[] sort(int [] array) {

a=new int[array.length+1];

s=array.length;

for(int i=1;i<a.length;i++)

a[i]=array[i-1];

find(1);

while(s>1){

int t=a[1];a[1]=a[s];a[s]=t;

s-=1;

find(1);

}

for(int i=1;i<a.length;i++)

array[i-1]=a[i];

return array;

}

private void find(int i) {

int il=2\*i,ir=2\*i+1,t;

if(il<=s&&ir<=s)

{find(il);find(ir);}

else if(il<=s&&ir>s)

{find(il);}

else if(ir<=s&&il>s)

{find(ir);}

if(il<=s)

if((a[il]>a[i]))

{t=a[i];a[i]=a[il];a[il]=t;find(il);}

if(ir<=s)

if((a[ir]>a[i]))

{t=a[i];a[i]=a[ir];a[ir]=t;find(ir);}

}

}

InsertionSort, 排序搜索类

=================================================

#函数名：插入排序算法#函数思想作者：无

#函数功能作者：罗瑶光

#函数用途：自己写的验证原型

package PEU.P.sort;

public class InsertionSort{

public int[] sort(int [] array) {

int j;

for(int i=1;i<array.length;i++){

j=i;

while(j>=1){

if(array[j]<array[j-1]){

int temp=array[j];

array[j]=array[j-1];

array[j-1]=temp;

}

j-=1;

}

}

return array;

}

public int[] sort(int [] array, int n) {

int j;

for(int i=1;i<n;i++){

j=i;

while(j>=1){

if(array[j]<array[j-1]){

int temp=array[j];

array[j]=array[j-1];

array[j-1]=temp;

}

j-=1;

}

}

return array;

}

}

Leaf, 排序搜索类

package PEU.P.sort;

public class Leaf{

public int sort=0;

public Leaf O1;

public Leaf O2;

public Leaf O3;

public Leaf O4;

public Leaf O5;

public Leaf O6;

public Leaf O7;

public Leaf O8;

public int value[]=new int[7];

public int hasO1=0;

public int hasO2=0;

public int hasO3=0;

public int hasO4=0;

public int hasO5=0;

public int hasO6=0;

public int hasO7=0;

}

LinkSort, 排序搜索类

=================================================

#函数名：链表排序算法#函数思想作者：无

#函数功能作者：罗瑶光

#函数用途：自己写的验证原型

package PEU.P.sort;

class node {

public node next;

public int value;

}

public class LinkSort{

public node heap;

public node first;

public int[] sort(int [] a) {

for(int i=0;i<a.length;i++){

lyg(a[i]);

}

for(int i=0;i<a.length;i++){

a[i]=first.value;

if(first.next!=null)

first=first.next;

}

return a;

}

private void lyg(int i) {

// TODO Auto-generated method stub

if(heap==null){

heap=new node();

heap.value=i;

first=heap;

return;

}

heap=first;

if(i<=heap.value){

node temp=new node();

temp.value=i;

temp.next=heap;

first=temp;

return;

}

while(heap.next!=null){

if(i>=heap.value&&i<=heap.next.value){

node temp=new node();

temp.value=i;

temp.next=heap.next;

heap.next=temp;

return;

}

heap=heap.next;

}

node temp=new node();

heap.next=temp;

temp.value=i;

return;

}

}

LYGSort, 排序搜索类

=================================================

#函数名：仿照2叉树做数组排序算法#函数思想作者：2叉数原理

#函数功能作者：罗瑶光

#函数用途：自己写的验证原型

package PEU.P.sort;

import java.util.ArrayList;

import java.util.List;

//import parserProcessor.timeCheck;

public class LYGSort{

public List<Double> array = new ArrayList<Double>();

public void sort(double [] a) {

array.add(a[0]);

if(a[1] > a[0]) {

array.add(1, a[1]);

}else {

array.add(0, a[1]);

}

if(a[2] < a[0]) {

array.add(0, a[2]);

}else if(a[2] > a[1]) {

array.add(2, a[2]);

}else {

array.add(1, a[2]);

}

for(int i = 3; i < a.length; i++) {

bsa(a[i], 0, array.size() - 1);

}

}

private void bsa(double a, int l, int r) {

int m = (l + r) >> 1;

if(m != l) {

if(a <= array.get(m)){

bsa(a, l, m);

}else {

bsa(a, m, r);

}

} else if(m == l){

if(a <= array.get(m)){

array.add(l, a);

}else if(a > array.get(m) && a <= array.get(r) ){

array.add(l+1, a);

}else {

array.add(l+2, a);

}

}

}

public static void main(String agrs[]) {

int c=99999;

double [] a = new double[c];

java.util.Random r=new java.util.Random();

for(int i=0;i<c;i++) {

a[i]=r.nextDouble();

}

LYGSort lyg = new LYGSort();

//timeCheck t= new timeCheck();

// t.begin();

lyg.sort(a);

// t.end();

}

}

OrderEvenSort, 排序搜索类

=================================================

#函数名：基偶排序算法

#函数思想作者：基偶排序原理#函数功能作者：罗瑶光

#函数用途：自己写的验证原型

//这个函数原型来自算法导论，思想不是罗瑶光先生设计，标注下。

package PEU.P.sort;

public class OrderEvenSort{

public int[] sort(int [] array) {

boolean sorted = false;

while(!sorted){

sorted=true;

for(int i = 1; i < array.length-1; i += 2) {

if(array[i] > array[i+1]) {

swap(array,i, i+1);

sorted = false;

}

}

for(int i = 0; i < array.length-1; i += 2){

if(array[i] > array[i+1]) {

swap(array, i, i+1);

sorted = false;

}

}

}

return array;

}

private void swap(int[] array, int i, int j) {

// TODO Auto-generated method stub

int temp=array[i];

array[i]=array[j];

array[j]=temp;

}

}

OTreeSort, 排序搜索类

=================================================

#函数名：8叉数排序算法

#函数思想作者：八叉树原理#函数功能作者：罗瑶光

#函数用途：自己写的验证原型

package PEU.P.sort;

public class OTreeSort{

public Leaf root;

public Leaf heap;

int c;

int a1[];

public int[] sort(int [] a) {

//make tree

c=0;

a1=new int[a.length];

if(root == null){

root=new Leaf();

root.value[0]=a[0];

root.hasO1=1;

}

for(int i=1;i<a.length;i++){

heap=root;

I\_leaf(a[i]);

}

Q\_(root);

return a1;

}

public Leaf root(int[] a) {

c=0;

a1=new int[a.length];

if(root == null){

root=new Leaf();

root.value[0]=a[0];

root.hasO1=1;

}

for(int i=1;i<a.length;i++){

heap=root;

I\_leaf(a[i]);

}

// TODO Auto-generated method stub

return root;

}

private void Q\_(Leaf temp) {

// TODO Auto-generated method stub

if(temp!=null){

Q\_(temp.O1);

if(temp.hasO1==1){

a1[c]=temp.value[0];

c+=1;

}

Q\_(temp.O2);

if(temp.hasO2==1){

a1[c]=temp.value[1];

c+=1;

}

Q\_(temp.O3);

if(temp.hasO3==1){

a1[c]=temp.value[2];

c+=1;

}

Q\_(temp.O4);

if(temp.hasO4==1){

a1[c]=temp.value[3];

c+=1;

}

Q\_(temp.O5);

if(temp.hasO5==1){

a1[c]=temp.value[4];

c+=1;

}

Q\_(temp.O6);

if(temp.hasO6==1){

a1[c]=temp.value[5];

c+=1;

}

Q\_(temp.O7);

if(temp.hasO7==1){

a1[c]=temp.value[6];

c+=1;

}

Q\_(temp.O8);

}

}

private void I\_leaf(int i){

int count=heap.hasO1+heap.hasO2+heap.hasO3+heap.hasO4+heap.hasO5+heap.hasO6+heap.hasO7;

if(count<7){

if(count==1){

heap.hasO2=1;

}

if(count==2){

heap.hasO3=1;

}

if(count==3){

heap.hasO4=1;

}

if(count==4){

heap.hasO5=1;

}

if(count==5){

heap.hasO6=1;

}

if(count==6){

heap.hasO7=1;

}

heap.value[count]=i;

heap.value=new InsertionSort().sort(heap.value,count+1);

return;

}else{

if(i<=heap.value[0]){

if(heap.O1==null){

heap.O1=new Leaf();

heap.O1.value[0]=i;

heap.O1.hasO1=1;

return;

}else{

heap=heap.O1;

I\_leaf(i);

}

}

else if(i>heap.value[0] && i<=heap.value[1]){

if(heap.O2==null){

heap.O2=new Leaf();

heap.O2.value[0]=i;

heap.O2.hasO1=1;

return;

}else{

heap=heap.O2;

I\_leaf(i);

}

}

else if(i>heap.value[1] && i<=heap.value[2]){

if(heap.O3==null){

heap.O3=new Leaf();

heap.O3.value[0]=i;

heap.O3.hasO1=1;

return;

}else{

heap=heap.O3;

I\_leaf(i);

}

}

else if(i>heap.value[2] && i<=heap.value[3]){

if(heap.O4==null){

heap.O4=new Leaf();

heap.O4.value[0]=i;

heap.O4.hasO1=1;

return;

}else{

heap=heap.O4;

I\_leaf(i);

}

}

else if(i>heap.value[3] && i<=heap.value[4]){

if(heap.O5==null){

heap.O5=new Leaf();

heap.O5.value[0]=i;

heap.O5.hasO1=1;

return;

}else{

heap=heap.O5;

I\_leaf(i);

}

}

else if(i>heap.value[4] && i<=heap.value[5]){

if(heap.O6==null){

heap.O6=new Leaf();

heap.O6.value[0]=i;

heap.O6.hasO1=1;

return;

}else{

heap=heap.O6;

I\_leaf(i);

}

}

else if(i>heap.value[5] && i<=heap.value[6]){

if(heap.O7==null){

heap.O7=new Leaf();

heap.O7.value[0]=i;

heap.O7.hasO1=1;

return;

}else{

heap=heap.O7;

I\_leaf(i);

}

}

else{

if(heap.O8==null){

heap.O8=new Leaf();

heap.O8.value[0]=i;

heap.O8.hasO1=1;

return;

}else{

heap=heap.O8;

I\_leaf(i);

}

}

}

}

}

Quick\_5D\_Sort, 排序搜索类

=================================================

#函数名：算法导论5代优化算法

#函数思想作者：算法导论快速排序算法4代基础。 #函数优化作者：罗瑶光

#函数功能作者：罗瑶光

#函数用途：自己写的验证原型

#函数解析：算法导论快速排序4代算法优化增加罗瑶光小高峰左右比对

package OEU.LYG4DQS4D;

//左右比对法开始

//思想: 快速排序4d思想, 罗瑶光小高峰过滤思想

public class Quick\_5D\_Sort{

public int[] sort(int [] a) {

quick2d(a,0,a.length-1);

return a;

}

private void quick2d(int[] a, int lp, int rp) {

// TODO Auto-generated method stub

int pos[]=new int[1];

if(lp<rp)

{partition(a,lp,rp,pos);

quick2d(a,lp,pos[0]-1);

quick2d(a,pos[0]+1,rp);}

}

@SuppressWarnings("unused")

private void partition(int[] a, int lp, int rp, int[]pos) {

// TODO Auto-generated method stub

int x,lp1,rp1,temp;x=a[lp];rp1=rp;lp1=lp;int y=a[rp];

if(x<y){//左右比对法开始

while(lp1<rp1){

while((a[lp1]<=x)&&(lp1<rp1)) lp1++;

while(a[rp1]>x)rp1--;

if(lp1<rp1){

temp=a[rp1];

a[rp1]=a[lp1];

a[lp1]=temp;

}

}

a[lp]=a[rp1];

a[rp1]=x;

}else{//左右比对法开始

while(lp1<rp1){

while((a[lp1]<=y)&&(lp1<rp1)) lp1++;

while(a[rp1]>y)rp1--;

if(lp1<rp1){

temp=a[rp1];

a[rp1]=a[lp1];

a[lp1]=temp;

}

}

a[lp]=a[rp1];

a[rp1]=y;

}

pos[0]=rp1;

}

}

Quick\_6D\_luoyaoguang\_Sort, 排序搜索类

=================================================

#函数名：罗瑶光快速排序6代算法#函数优化作者：罗瑶光

#函数功能作者：罗瑶光

#函数用途：自己写的验证原型

#函数解析：基于罗瑶光快速排序5代算法优化增加递归深度优化并减少计算算子

package OEU.LYG4DQS4D;

import PEU.P.time.\*;

//第二代罗瑶光小高峰平均高峰过滤快排思想设计中。小高峰高峰过滤快速排序

public class Quick\_6D\_luoyaoguang\_Sort{

public int[] sort(int[] a) {

TimeCheck imeCheck= new TimeCheck();

imeCheck.begin();

quick2ds(a, 0, a.length-1);

imeCheck.end();

imeCheck.duration();

return a;

}

private void quick2ds(int[] a, int lp, int rp) {

if(lp < rp){

int c = rp - lp; if(c < 7){ int j;

for(int i = 1 + lp; i <= lp + c; i++){

j = i;while(j>=1+lp){

if(a[j]<a[j-1]){

int temp=a[j];a[j]=a[j-1];a[j-1]=temp;

}

j--;

}

}

return;

}

int pos = partition(a, lp, rp);

quick2ds(a,lp,pos-1);

quick2ds(a,pos+1,rp);

}

}

private int partition(int[] a, int lp, int rp) {

int x=a[lp];int lp1=lp;

if(x>=a[rp]){

x=a[rp];

}

while(lp1<rp){

while(a[lp1]<=x &&lp1<rp) {

lp1++;

}

while(a[rp]>x){

rp--;

}

if(lp1<rp){

int temp=a[rp];

a[rp]=a[lp1];a[lp1]=temp;

}

}

a[lp]=a[rp];a[rp]=x;

return rp;

}

public String[][] sort(String[][] a) {

quick2dsString(a, 0, a.length-1);

return a;

}

private void quick2dsString(String[][] a, int lp, int rp) {

if(lp < rp){

int c = rp - lp; if(c < 7){ int j;

for(int i = 1 + lp; i <= lp + c; i++){

j = i;while(j>=1+lp){

if(Double.valueOf(a[j][1])<Double.valueOf(a[j-1][1])){

String []temp=a[j];

a[j]=a[j-1];

a[j-1]=temp;

}

j--;

}

}

return;

}

int pos = partitionString(a, lp, rp);

quick2dsString(a,lp,pos-1);

quick2dsString(a,pos+1,rp);

}

}

private int partitionString(String[][] a, int lp, int rp) {

String[] x=a[lp];int rp1=rp;int lp1=lp;

if(Double.valueOf(x[1])>=Double.valueOf(a[rp][1])){

x=a[rp];

}

while(lp1<rp1){

while((Double.valueOf(a[lp1][1])<=Double.valueOf(x[1]))&&(lp1<rp1)){

lp1++;

}

while(Double.valueOf(a[rp1][1])>Double.valueOf(x[1])){

rp1--;

}

if(lp1<rp1){

String[] temp=a[rp1];

a[rp1]=a[lp1];a[lp1]=temp;

}

}

a[lp]=a[rp1];a[rp1]=x;

return rp1;

}

}

Quick\_Luoyaoguang\_4D, 排序搜索类

=================================================

#函数名：罗瑶光快速排序4代算法#函数优化作者：罗瑶光 #函数功能作者：罗瑶光

#函数用途：自己写的验证原型

#函数解析：基于罗瑶光快速排序6代算法优化增加递归深度优化，同频函数减少，同频算子减少，同频变量减少

package OEU.LYG4DQS4D;

import PEU.P.time.\*;

//第三代罗瑶光小高峰平均高峰过滤快排思想设计中。小高峰高峰过滤快速排序

//同频函数减少

//同频算子减少

//同频变量减少

@SuppressWarnings("unused")

public class Quick\_Luoyaoguang\_4D{

public int[] sort(int[] a) {

quick2ds(a, 0, a.length-1);

return a;

}

private void quick2ds(int[] a, int lp, int rp) {

if(lp< rp){

int c = rp - lp; if(c < 7){ int j;

for(int i = 1 + lp; i <= lp + c; i++){

j = i;while(j>=1+lp){

if(a[j]<a[j-1]){

int temp=a[j];a[j]=a[j-1];a[j-1]=temp;

}

j--;

}

}

return;

}

int pos = partition(a, lp, rp);

quick2ds(a, lp, pos-1);

quick2ds(a, pos+1, rp);

}

}

private int partition(int[] a, int lp, int rp) {

int x= a[lp]>= a[rp]? a[rp]: a[lp];

int lp1= lp;

while(lp1< rp){//我总觉得这里可以进行一种积分算法优化，我一直在思考，别让那么快想到。

// while(a[lp1]<= x&& lp1< rp) {

// lp1++;

// }

while(!(a[lp1]>x|| lp1>= rp)) {

lp1++;

} //今天想到了一些优化，

while(a[rp]>x){

rp--;

}

if(lp1<rp){

int temp=a[rp];a[rp]=a[lp1];a[lp1]=temp;

}

}

a[lp]=a[rp];a[rp]=x;

return rp;

}

public String[][] sort(String[][] a) {

quick2dsString(a, 0, a.length-1);

return a;

}

private void quick2dsString(String[][] a, int lp, int rp) {

if(lp < rp){

int c = rp - lp; if(c < 7){ int j;

for(int i = 1 + lp; i <= lp + c; i++){

j = i;while(j>=1+lp){

if(Double.valueOf(a[j][1])<Double.valueOf(a[j-1][1])){

String []temp=a[j];

a[j]=a[j-1];

a[j-1]=temp;

}

j--;

}

}

return;

}

int pos= partitionString(a, lp, rp);

quick2dsString(a, lp, pos- 1);

quick2dsString(a, pos+ 1, rp);

}

}

private int partitionString(String[][] a, int lp, int rp) {

String[] x= a[lp];

int lp1= lp;

if(Double.valueOf(x[1])>= Double.valueOf(a[rp][1])){

x= a[rp];

}

while(lp1< rp){

while((Double.valueOf(a[lp1][1])<= Double.valueOf(x[1]))&& (lp1< rp)){

lp1 ++;

}

while(Double.valueOf(a[rp][1])> Double.valueOf(x[1])){

rp --;

}

if(lp1<rp){

String[] temp= a[rp].clone();

a[rp]= a[lp1].clone();

a[lp1]= temp.clone();

}

}

a[lp]=a[rp].clone();a[rp]=x;

return rp;

}

}

SelectionSort, 排序搜索类

=================================================

#函数名：选择排序#函数思想作者：无，算法导论

#函数功能作者：罗瑶光

**#函数用途：自己写的验证原型**

package PEU.P.sort;

public class SelectionSort{

public int[] sort(int [] array) {

for(int i=0;i<array.length;i++){

for(int j=i+1;j<array.length;j++){

if(array[i]>array[j]){

int temp=array[i];

array[i]=array[j];

array[j]=temp;

}

}

}

return array;

}

}

TTreeSort, 排序搜索类

=================================================

#函数名：三叉排序

#函数思想作者：无

#函数功能作者：罗瑶光

#函数用途：自己写的验证原型

package PEU.P.sort;

public class TTreeSort{

public Leaf root;

public Leaf heap;

int c;

int a1[];

public int[] sort(int [] a) {

//make tree

c=0;

a1=new int[a.length];

if(root == null){

root=new Leaf();

root.value[0]=a[0];

root.hasO1=1;

}

for(int i=1;i<a.length;i++){

heap=root;

I\_leaf(a[i]);

}

Q\_(root);

return a1;

}

public Leaf root(int[] a) {

if(root == null){

root = new Leaf();

root.value[0] = a[0];

root.hasO1 = 1;

}

for(int i=1;i<a.length;i++)

{

heap=root;

I\_leaf(a[i]);

}

// TODO Auto-generated method stub

return root;

}

private void Q\_(Leaf temp) {

// TODO Auto-generated method stub

if(temp!=null){

Q\_(temp.O1);

if(temp.hasO1==1){

a1[c]=temp.value[0];

c+=1;

}

Q\_(temp.O2);

if(temp.hasO2==1)

{

a1[c]=temp.value[1];

c+=1;

}

Q\_(temp.O3);

}

}

private void I\_leaf(int i) {

if(heap.hasO1==1&&heap.hasO2==0){

if(heap.value[0]<=i){

heap.value[1]=i;

heap.hasO2=1;

}else{

heap.value[1]=heap.value[0];

heap.value[0]=i;

heap.hasO2=1;

}

return;

}else{

if(i<=heap.value[0]){

if(heap.O1==null){

heap.O1=new Leaf();

heap=heap.O1;

heap.value[0]=i;

heap.hasO1=1;

return;

}else{

heap=heap.O1;

I\_leaf(i);

}

}

else if(i>heap.value[0] && i<=heap.value[1]){

if(heap.O2==null){

heap.O2=new Leaf();

heap=heap.O2;

heap.value[0]=i;

heap.hasO1=1;

return;

}else{

heap=heap.O2;

I\_leaf(i);

}

} else{

if(heap.O3==null){

heap.O3=new Leaf();

heap=heap.O3;

heap.value[0]=i;

heap.hasO1=1;

return;

}else{

heap=heap.O3;

I\_leaf(i);

}

}

}

}

}

LineCodeOperation, 计算类

=================================================

#函数名：线性数据叠加#函数思想作者：罗瑶光#函数功能作者：罗瑶光

#函数用途：自己写的验证原型，用于加密和字符串计算

**package** steganographyProcessor;

**public class** LineCodeOperation{

**public** String LineCodeADD(String lineCodeBoat, String lineCodeSet, **int** scale) { StringBuilder stringBuilder= **new** StringBuilder();

**for**(**int** i= 0; i< lineCodeSet.length(); i+= scale) {

**int** valueOfLineCodeBoat = Integer.*valueOf*(lineCodeBoat.charAt(i)).intValue(); **int** valueOfLineCodeSet = Integer.*valueOf*(lineCodeSet.charAt(i)).intValue(); **int** sum=valueOfLineCodeBoat+ valueOfLineCodeSet; stringBuilder.append(""+sum);

}

**return** stringBuilder.toString();

}

}

PixFloat, 像素处理类

=================================================

#函数名：线性数据与矩阵数据变换#函数思想作者：罗瑶光

#函数功能作者：罗瑶光

#函数用途：自己写的验证原型，用于加密和字符串计算

**package** steganographyProcessor;

**public class** PixFloat{

**public void** floatPix(**int**[][] pix, **int** floatPix, **int** scale) { **for**(**int** x= 0; x< pix[0].length; x+= scale) {

**for**(**int** y= 0; y< pix.length;y+= scale) { pix[x][y]+= floatPix;

}

}

}

**public void** arrangePix(**int**[][] pix, **int** arrangePix, **int** scale) { **for**(**int** x= 0; x< pix[0].length; x+= scale){

**for**(**int** y= 0;y< pix.length;y+= scale) { pix[x][y]+= arrangePix;

pix[x+ 1][y]+= arrangePix-1; pix[x- 1][y]+= arrangePix-1; pix[x][y+ 1]+= arrangePix-1;

pix[x][y- 1]+= arrangePix-1;

}

}

}

**public int**[] matrixToLiner(**int**[][] pix) {

**int**[] output= **new int**[pix.length\* pix[0].length];

**for**(**int** x= 0; x< pix[0].length; x++) { **for**(**int** y= 0; y< pix.length; y++) {

output[x\* pix[0].length+ y]= pix[x][y];

}

}

**return** output;

}

**public** String linerToLineCode(**int**[] pix) { StringBuilder code= **new** StringBuilder(); Here:

**for**(**int** i= 0; i< pix.length; i++){

String register = String.*valueOf*(pix[i]); **if**(register.length()== 3) {

code.append(""+ register); **continue** Here;

}

**if**(register.length()== 2) { code.append("0"+ register); **continue** Here;

}

**if**(register.length()== 1) { code.append("00"+ register);

}

}

**return** code.toString();

}

}

Copy, 复制类

=================================================

#函数名：波数据复制

#函数思想作者：罗瑶光#函数功能作者：罗瑶光

#函数用途：自己写的验证原型，用于加密和字符串计算

package PEU.P.wave;

public class Copy{

public double[][] copy2d(double[][] input,double scale) {

double[][] output = new double[(int)scale][input[0].length];

for(int i=0;i<scale;i++) {

for(int j=0;j<input[0].length;j++) {

output[i][j]=input[i][j];

}

}

return output;

};

public double[]copy1d(double[] input,double scale) {

double[] output = new double[(int)scale];

for(int i=0;i<scale;i++) {

output[i]=input[i];

}

return output;

};

public double[]copy1dx2(double[] input,double scale) {

double[] output = new double[(int)(scale\*input.length)];

for(int i=0;i<scale;i++) {

for(int j=0;j<input.length;j++) {

output[i\*input.length+j]=input[j];

}

}

return output;

};

}

DFT, 卷积类

=================================================

#函数名：波数据傅里叶变换#函数思想作者：傅里叶

#函数功能作者：罗瑶光

#函数用途：自己写的验证原型，用于频率变换

package PEU.P.wave;

public class DFT{

public double cos[][];

public double sin[][];

public double coss[];

public double sins[];

double Pi = 3.1415926;

public void init(int size) {

cos=this.ft\_cos(size);

sin=this.ft\_sin(size);

}

public double [] ft(double input[]) {

double output[]= new double[input.length];

//double cos[][]=this.ft\_cos(input.length);

//double sin[][]=this.ft\_sin(input.length);

for(int k=0;k<input.length;k++){

double r = 0, i = 0;

for(int n=0;n<input.length;n++){

r += input[n]\*cos[k][n];

i += input[n]\*sin[k][n];

}

output[k] = Math.sqrt(r\*r+i\*i);

}

return output;

}

public double [][] ft\_cos(double size) {

double cos[][]=new double[(int)size][(int)size];

for(int k=0;k<size;k++){

for(int n=0;n<size;n++){

cos[k][n]=Math.cos(2 \* Pi \* k \* n / size);

}

}

return cos;

}

public double [][] ft\_sin(double size) {

double sin[][]=new double[(int)size][(int)size];

for(int k=0;k<size;k++){

for(int n=0;n<size;n++){

sin[k][n]=Math.sin(2 \* Pi \* k \* n / size);

}

}

return sin;

}

}

Laplasian, 卷积类

=================================================

#函数名：波数据拉普拉斯变换#函数思想作者：拉普拉斯

#函数功能作者：罗瑶光

#函数用途：自己写的验证原型，用于曲度变换

package PEU.P.wave;

public class Laplasian{

@SuppressWarnings("unused")

public double[] laplasian1d(double[] input, double scale ) {

double [] output = new double [input.length];

double []lap=new double[5];

double sig = scale; //default 1.6

double t = 0;

double sumhere = 0;

lap[0]=0;

lap[1]=-3;

lap[2]=scale;//default=7

lap[3]=-3;

lap[4]=0;

for(int l = 0; l<5; ++l){

sumhere = sumhere + lap[l];

}

// System.out.println("--->"+sumhere);

//--normalization

double sum1=0;

for(int j=0; j<5; ++j){

lap[j] = lap[j]/sumhere;

sum1 = sum1 + lap[j];

}

//--end of producing gaussian matrix

// System.out.println("gaussian sum: " + sum1);

double sum=0;

for(int i=2;i<input.length-2;i++){

sum=0;

for(int j=-2;j<3;j++){

sum = sum + (input[i+j]\* lap[j+2]);

}

output[i]=sum;

}

return output;

};

}

MaxAndMin, 卷积类

=================================================

#函数名：波数据波峰波谷计算#函数思想作者：罗瑶光

#函数功能作者：罗瑶光

#函数用途：自己写的验证原型，用于波统计

package PEU.P.wave;

public class MaxAndMin{

public double max\_v(double[] input) {

double max = 0;

for(int i= 0; i< input.length; i++) {

if(input[i]>max) {

max= input[i];

}

}

return max;

};

public double max\_i(double[] input) {

double max = 0;

for(int i=0;i<input.length;i++) {

if(input[i]>max) {

max=i;

}

}

return max;

};

@SuppressWarnings("unused")

public double min\_v(double[] input,double rank) {

double min = 999999999;

double[][] fengtong= new PeakStatistic().fengTong1(input);

for(int i=0; i<input.length; i++) {

if(input[i] < min) {

min=input[i];

}

}

return min;

};

public double min\_i(double[] input, double rank) {

double min = 999999999;

for(int i=0; i<input.length; i++) {

if(input[i] < min) {

min=i;

}

}

return min;

};

}

Median, 卷积类

=================================================

#函数名：波数据平滑均值算法#函数思想作者：罗瑶光

#函数功能作者：罗瑶光

#函数用途：自己写的验证原型，用于波平滑过滤

package PEU.P.wave;

public class Median{

public double[] median1d(double[] input, double scale ) {

double [] output = new double [input.length];

for(int i = (int)scale;i < input.length-scale; i++) {

double sum = input[i];

for(int j = 1;j < scale; j++) {

sum += input[i + j];

sum += input[i - j];

}

sum/=scale\*2+1;

output[i]=sum; ;

}

return output;

};

}

PeakStatistic, 统计类

=================================================

#函数名：波峰统计函数#函数思想作者：罗瑶光

#函数功能作者：罗瑶光

#函数用途：自己写的验证原型，用于波的峰统计和地址位排序。

package PEU.P.wave;

public class PeakStatistic{

public double[][] fengTong1(double[] input) {

double[][] output= new double[input.length][2];

for(int i= 0; i< input.length; i++) {

output[i][0]= i;

output[i][1]= input[i];

}

return output;

}

public double[][] fengPaixX(double[][] input) {

double[][] output= new Copy().copy2d(input,input.length);

for(int i = 0; i < input.length; i++) {

for(int j = 0; j < input.length; j++) {

if(output[i][0]<output[j][0]) {

double tempc[]=new double [2];

tempc[0]= output[i][0];

tempc[1]= output[i][1];

output[i][0]= output[j][0];

output[i][1]= output[j][1];

output[j][0]= tempc[0];

output[j][1]= tempc[1];

}

}

}

return output;

}

public double[][] fengPaiyY(double[][] input) {

double[][] output= new Copy().copy2d(input,input.length);

for(int i= 0; i< input.length; i++) {

for(int j= 0; j< input.length; j++) {

if(output[i][1]<output[j][1]) {

double tempc[]= new double [2];

tempc[0]= output[i][0];

tempc[1]= output[i][1];

output[i][0]= output[j][0];

output[i][1]= output[j][1];

output[j][0]= tempc[0];

output[j][1]= tempc[1];

}

}

}

return output;

}

public double[][] fengPaiXx(double[][] input) {

double[][] output =new Copy().copy2d(input,input.length);

for(int i = 0; i < input.length; i++) {

for(int j = 0; j < input.length; j++) {

if(output[i][0]>output[j][0]) {

double tempc[]=new double [2];

tempc[0]=output[i][0];

tempc[1]=output[i][1];

output[i][0]=output[j][0];

output[i][1]=output[j][1];

output[j][0]=tempc[0];

output[j][1]=tempc[1];

}

}

}

return output;

}

public double[][] fengPaiYy(double[][] input) {

double[][] output =new Copy().copy2d(input,input.length);

for(int i = 0; i < input.length; i++) {

for(int j = 0; j < input.length; j++) {

if(output[i][1]>output[j][1]) {

double tempc[]=new double [2];

tempc[0]=output[i][0];

tempc[1]=output[i][1];

output[i][0]=output[j][0];

output[i][1]=output[j][1];

output[j][0]=tempc[0];

output[j][1]=tempc[1];

}

}

}

return output;

}

}

Proportion, 统计类

package PEU.P.wave;

public class Proportion{

public double[] newX(double[] input, double width) {//128 32

double [] output= new double [(int)width];

double bilix= input.length/width;//4

for(int i=0;i<output.length;i++) {

for(int j=0;j<bilix;j++) {

output[i]+=input[(int)(i\*bilix+j)];

}

}

return output;

};

public double[] newY(double[] input, double hight) {

double [] output= new double [input.length];

double max = new MaxAndMin().max\_v(input);

double biliy= hight/max;

for(int i=0;i<output.length;i++) {

output[i]=input[i]\*biliy;

}

return output;

};

public double[] newXY(double[] input, double width, double hight ) {

double [] output= new double [(int)width];

double max= new MaxAndMin().max\_v(input);

double biliy= hight/ max;

double bilix= input.length/width;

for(int i= 0; i< output.length; i++) {

output[i]= input[(int)(i\*bilix)]\*biliy;

}

return output;

};

public double[] newXYBest(double[] input, double width, double hight ) {

double [] output= new double [(int)width];

double max = new MaxAndMin().max\_v(input);

double biliy= hight/max;

double bilix= width/input.length;

for(int i=0;i<input.length-1;i++) {

double dc= (input[i+1]-input[i])/bilix;

for(int j=0;j<bilix;j++) {

output[(int)(i\*bilix)+j]=(input[i]+dc\*j)\*biliy;

}

}

return output;

};

public double[] newYwithoutBound(double[] input, double hight) {

double [] output= new double [input.length];

for(int i=0;i<output.length;i++) {

output[i]=input[i]\*hight;

}

return output;

};

public double[] newXYYwithoutBound(double[] input, double width, double hight ) {

double [] output= new double [(int)width];

double bilix= input.length/width;

for(int i=0;i<output.length;i++) {

output[i]=input[(int)(i\*bilix)]\*hight;

}

return output;

};

}

Quantification, 统计类

=================================================

#函数名：波数据量化重洗#函数思想作者：罗瑶光

#函数功能作者：罗瑶光

#函数用途：自己写的验证原型，用于波的比例缩放，作者针对股市数据设计的函数。

package PEU.P.wave;

public class Quantification{

public double[] liangHuaDengChaAdd(double[] input, double scale) {

double[] output = new double[input.length];

double sum = input.length/scale;

for(int i=0;i<sum-1;i++) {

double temp=0;

for(int j=0;j<scale;j++) {

temp+=input[(int)(i\*scale+j)];

}

output[(int)(i\*scale)]=temp;

}

return output;

};

public double[] liangHuaXiHua(double[] input,double scale) {

double[] output = new double[input.length];

double sum= input.length;

int find=0;

for(int i=1;i<=scale;i++) {

if(input[0]>input[i]) {

find+=1;

}

}

if(find==scale) {

output[0]=input[0];

}

for(int i=(int)(scale);i<(sum-(scale));i++) {

find=0;

for(int j=1;j<=scale;j++) {

if(input[i]>input[i+j]) {

find+=1;

}

if(input[i]>input[i-j]) {

find+=1;

}

}

if(find==scale\*2) {

output[i]=input[i];

}

}

return output;

}

@SuppressWarnings("unused")

public double[] liangHuaDengChaMines(double[] input, int scale) {

double[] output = new double[input.length];

double sum = input.length/scale;

for(int i=0;i<sum-1;i++) {

double temp=0;

double max=input[(int)(i\*scale)];

double maxi=i\*scale;

for(int j=0;j<scale;j++) {

if(input[(int)(i\*scale+j)]>max) {

max=input[(int)(i\*scale+j)];

maxi=(int)(i\*scale+j);

}

}

output[(int)(i\*scale)] = max;

}

return output;

}

public double[] liangHuaEqualDelete(double[] input) {

double[] output = new double[input.length];

double pre=0;

double next=0;

for(int i=0;i<input.length;i++) {

next=input[i];

if(next!=pre) {

output[i]=input[i];

}else {

output[i]=0;

}

pre=next;

}

// TODO Auto-generated method stub

return output;

}

public double[] liangHuaXiHuaHalfSide(double[] input) {

// TODO Auto-generated method stub

double[] output = new double[input.length];

for(int i=1;i<input.length-1;i++)

{

if(input[i]/input[i+1]<=1&&input[i]/input[i+1]>=0.5) {

if(input[i]/input[i-1]<=1&&input[i]/input[i-1]>=0.5) {

output[i]=input[i];

}

}

}

return output;

}

}

Shehold, 卷积类

=================================================

#函数名：波数据极化分离#函数思想作者：罗瑶光

#函数功能作者：罗瑶光

#函数用途：自己写的验证原型，用于波数据的归极分化。

package PEU.P.wave;

public class Shehold{

public double[] shehold1(double[] input, double scale) {

double [] output= new double [input.length];

for(int i=0;i<input.length;i++) {

if(input[i]>scale) {

//output[i]=input[i];

output[i]=100;

}

}

return output;

};

}

Tailor, 统计类

=================================================

#函数名：波数据裁剪函数#函数思想作者：罗瑶光

#函数功能作者：罗瑶光

#函数用途：自己写的验证原型，用于波的裁剪提取。用于德塔养疗经，华瑞集的语音处理

package PEU.P.wave;

public class Tailor{

public double[] caiJian1(double[] input, double left,double right) {

double w= (int)(right-left);

double [] output= new double [(int)w];

for(int i=(int)left;i<right-1;i++) {

if(i<input.length) {

output[(int)(i-left)]=input[i];

}

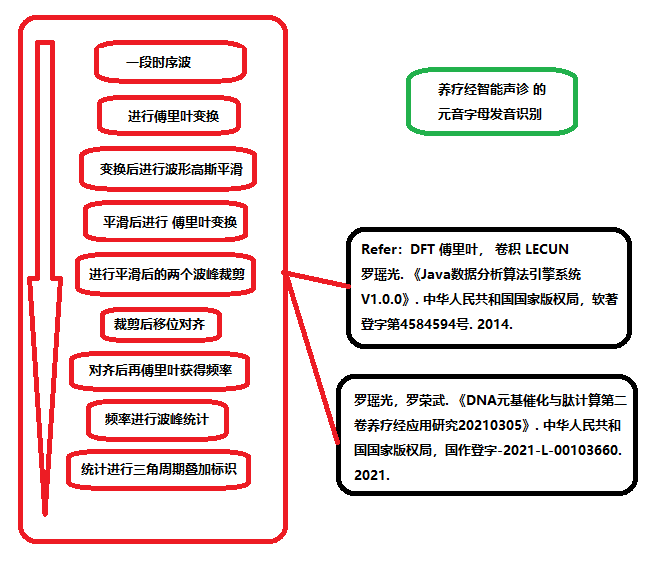
}

return output;

}

}

DNA元基索引版本略，养疗经音频时序波的处理应用示例



第三章 德塔ETL人工智能可视化数据流分析引擎系统

第一节 研发说明

德塔ETL可视化数据分析引擎系统说明书说明书

起源动机

作者2009 年首次接触Knime 的SDK 进行插件节点编程。感觉很不错。2011 年在计算机视觉课程上进行图片工作流作业设计，发现当时Knime不支持OBJECT对象传输，也不能在网页上用，仅仅支持矩阵数据表传输，而Knime 底层是闭源于是作者开始设计可以传输图片的数据流软件。定义为Applet UNICORN AI。作者在2012-2013 停止了系统设计。在2014 年开始重启。作者2014年设计出Unicorn 的节点画布界面实现视觉分析后，于是第二次停止该项目研发。作者2015年将Unicorn引擎实现包括声音流，电影流的各种对象的节点操作，于是第三次停止了该项目研发。并打包成Unicorn AI 在谷歌邮件博客上发布了第一版开源版。 作者2018年 继续开启该项目研发一直到现在。

简介

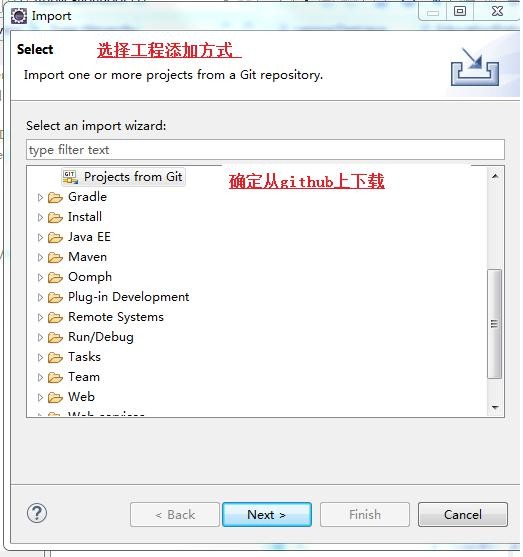
德塔ETL 可视化数据分析引擎系统作为 Deta 人工智能的核心组成部份主要任务就是极为快速和便携的节点数据流处理. 主要用在各种未知的对象数据进行清洗，拆分，计算和功能重用上。.

使用方法

**1下载 java 开发软件:**

Eclipse: https://[www.eclipse.org/](http://www.eclipse.org/) Intellij: <https://www.jetbrains.com/idea/>

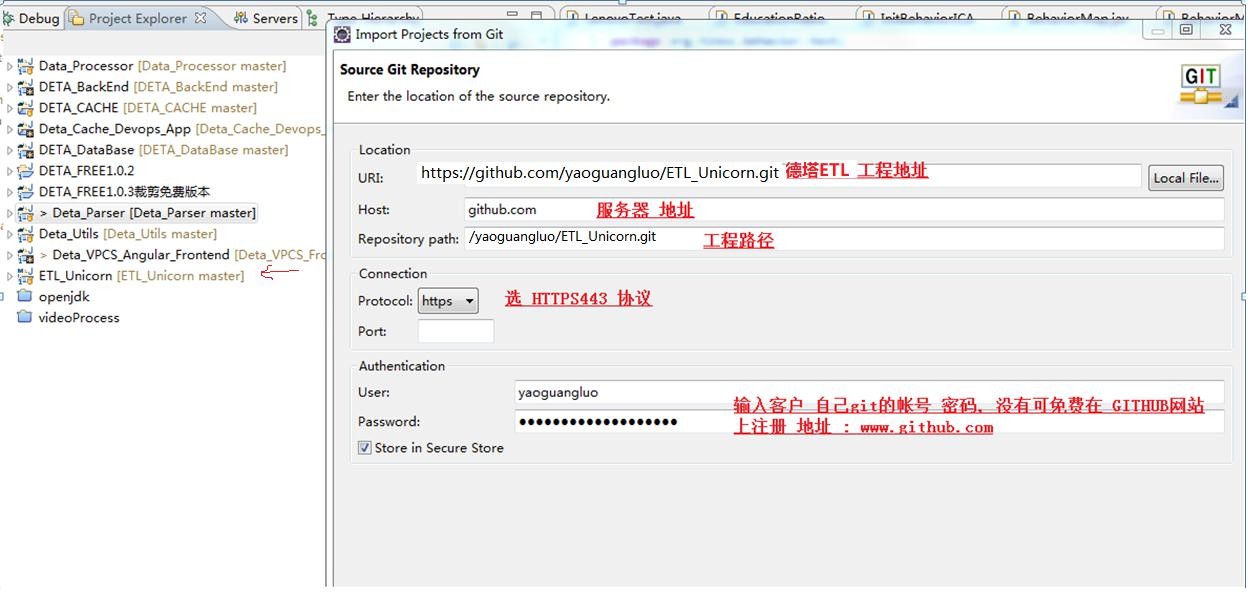
**2 导入 deta 图灵 api ( API 是类库,接口 的意思, select 是选择 的意思 )**



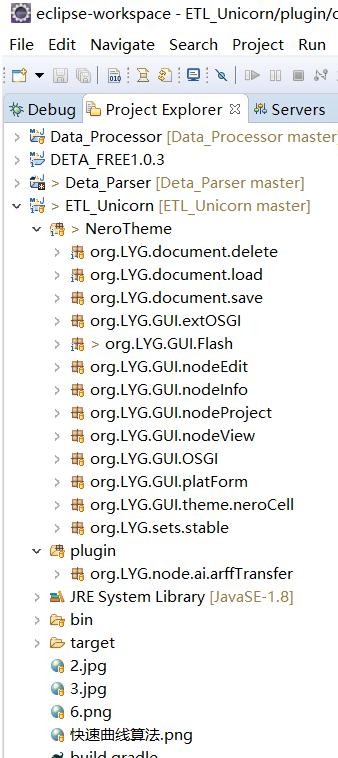
**3 点 URI (uri 是互联网传输的一种协议规范关键字)**



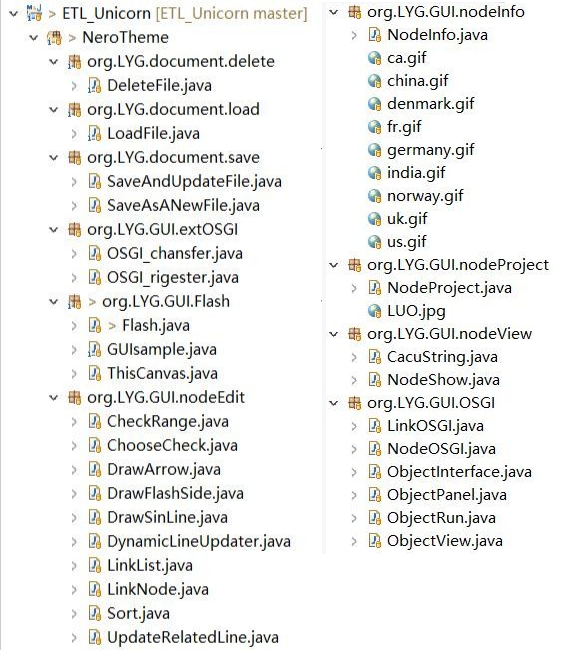
**4输入 Git 导入目标地址 (git 是版本持续化控制软件, repository 是 git 工程的下载标识, host 是远程 主机, repository path 是 git 工程 在主机上下载链接, protocol 是是通信协议, port 是端口, authentication 是密钥, user 是帐户名, password 是密码, store in secure store 是记录保存)**

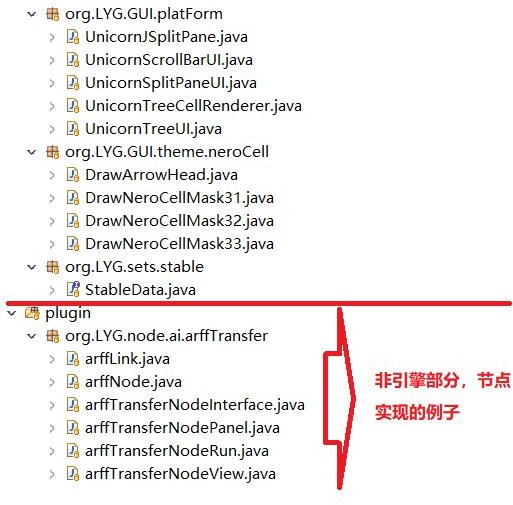


**5生成 eclipse 工程 因为是无插件底层源码, 所以可以自由集成为pom, gradle, web,或者general 工程模式. (POM 是xml 形式的库标识 标识, gradle 是 模板形式, web 是web 2.0 动态java 工程, general 是普通java 工程 )**



**6 运行例子就可以了 所有 demo 和 test 都是 可运行实例 (demo 是例子的意思, test 是测试的意思 鼠标右键,点运行就可以了.)**

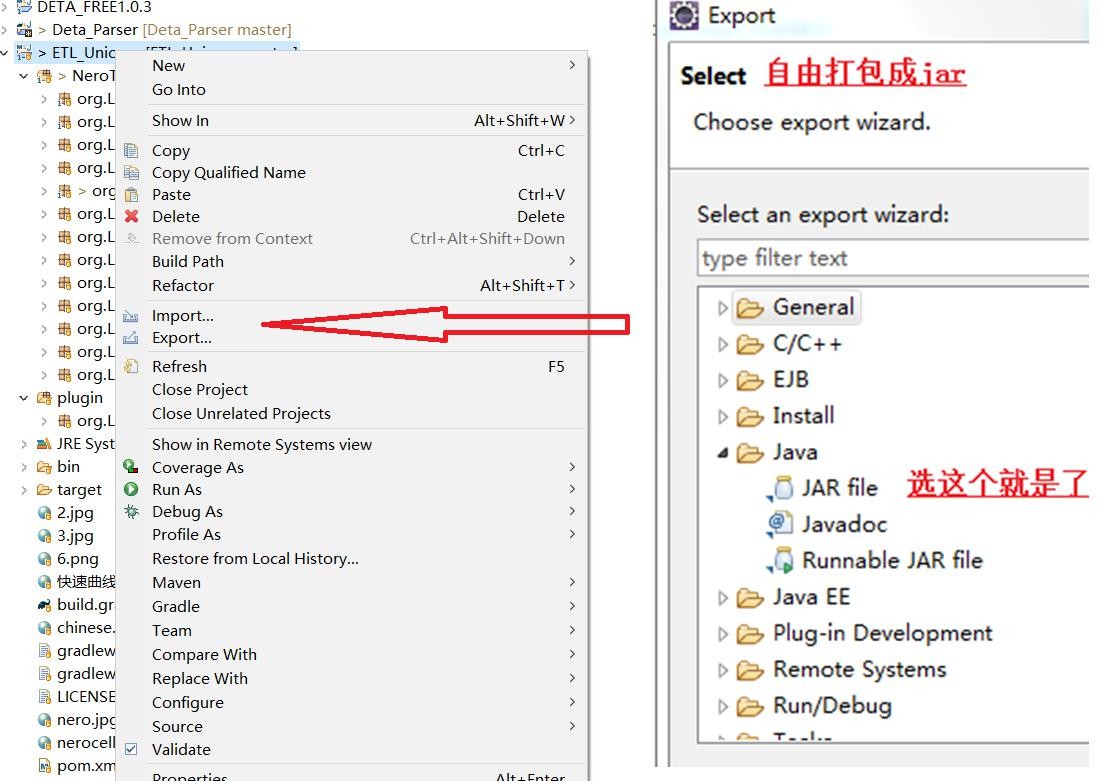




**7 可下载的免费软件 例子:**

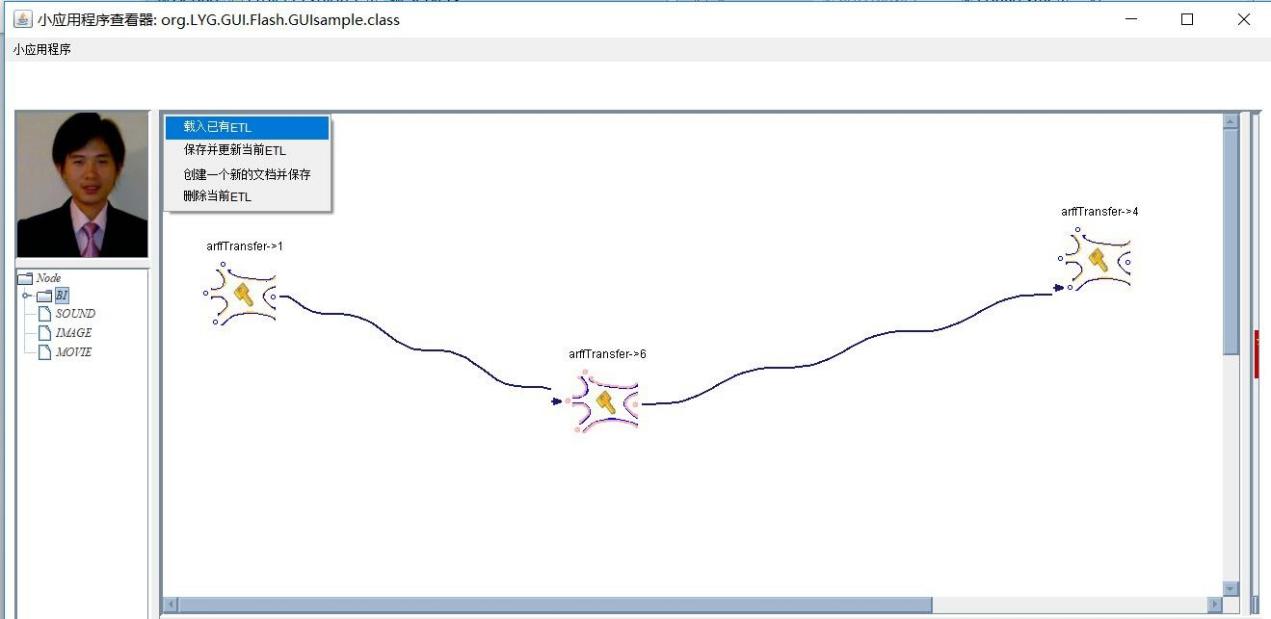
<https://github.com/yaoguangluo/Deta_Medicine>

**8 可以任意 打包 jar 作为商业 库销售和集成.( jar 是 java 的库的意思 , 可运行,可扩展, 可集成, export 是打包输出的意思)**

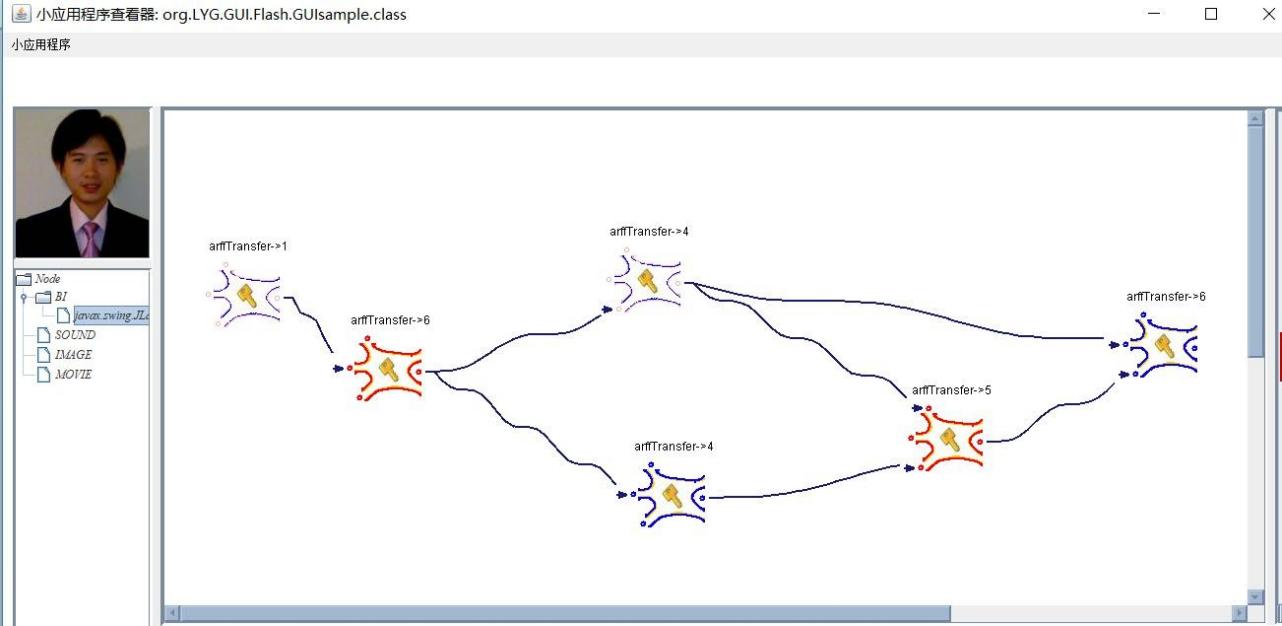


具体重要功能展示

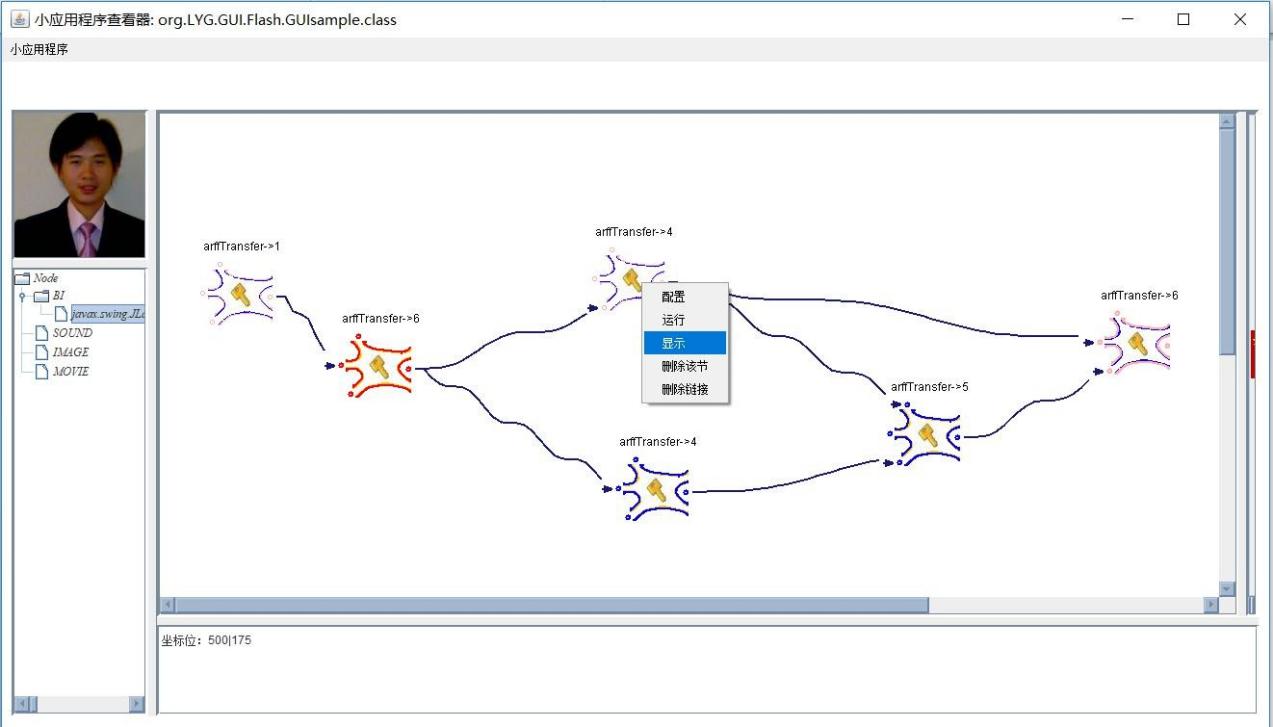
**1档案管理功能**



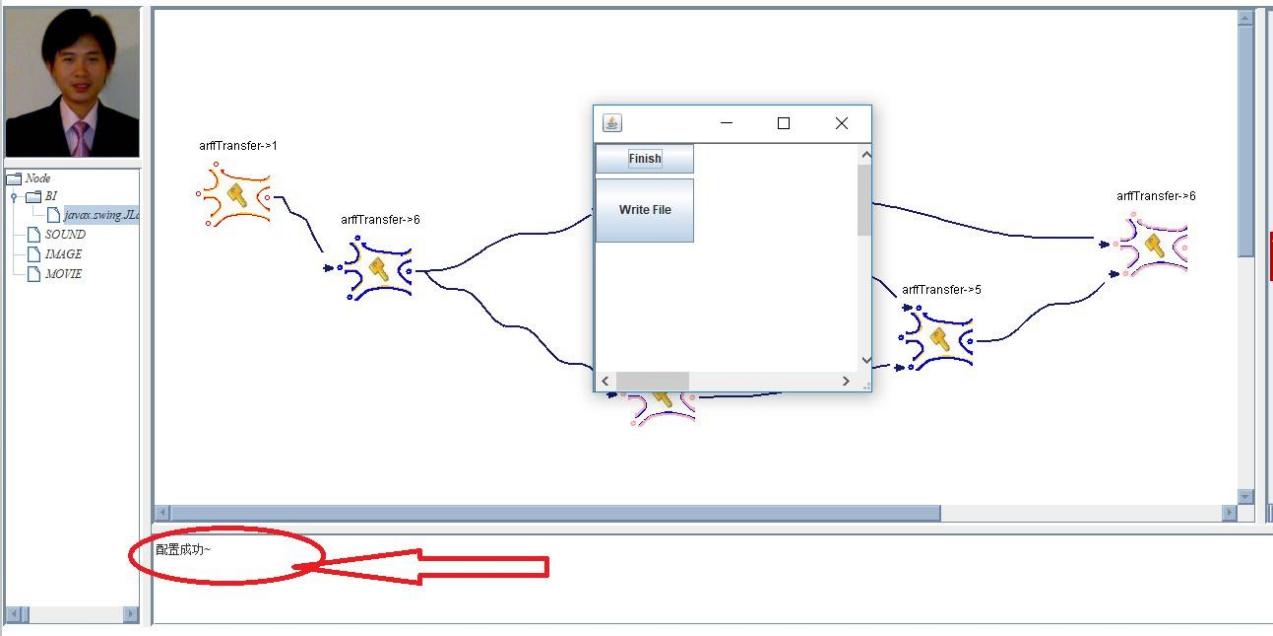
**2流操作中相同逻辑节点重用功能**



**3 流操作节点配置功能**

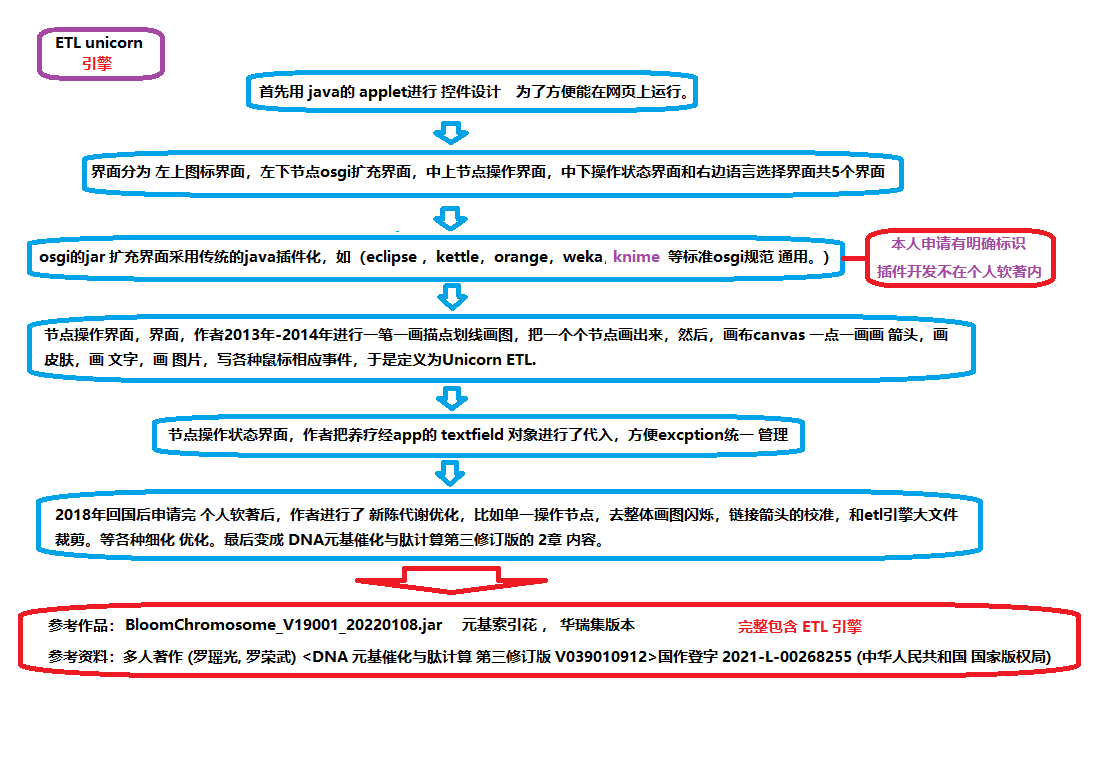


**4异常消息面板**



**5其他小功能分析例子略.**

逻辑图



档案管理功能

流操作中相同逻辑节点重用功能

流操作节点配置功能

异常消息面板

适用范围

Deta 机器人意识进化分析系统.

Deta 带记忆神经网络耦合基础.

Deta 教育辅导.

Deta 文本挖掘 .

Deta 刑侦辅导 .

Deta 心智训练

Deta 商业用语分析.

Deta 各种数据流可视化分析

注意

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不但要标注Deta 公司 关键字: “浏阳德塔软件开发有限公司” 或者 “罗瑶光”, 同时商业化开放其源代码。

注意 当前版本是 1.0.2, 一直在优化中,有任何bug 请直接联系作者. 最新见其新陈代谢版本。

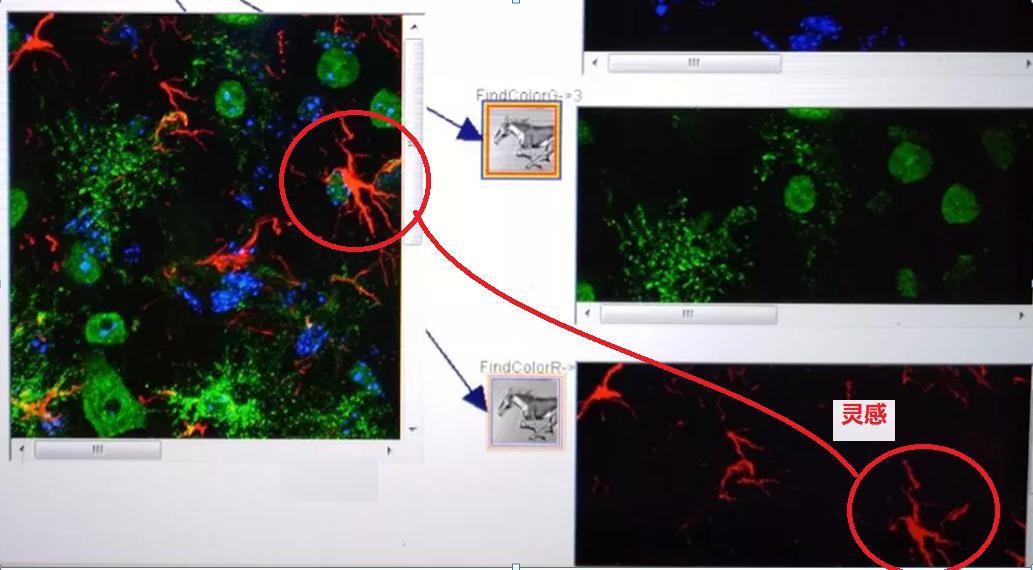
QQ: 2080315360

TEL: 15116110525 (tel: 电话号码)

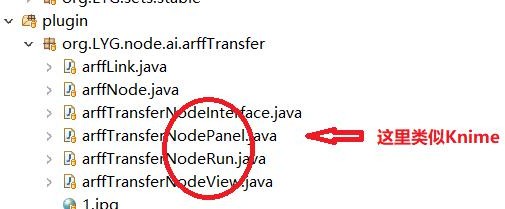
EMAIL: [2080315360@qq.com](mailto:2080315360@qq.com) ( email: 邮件地址)

感谢

Deta 的神经元细胞 节点皮肤灵感 来自 牛津大学 牛顿霍华德教授的一些图片如下：



Deta 的节点包例子 3 个文件的命名采用 Knime 的方式如下：



Deta 项目设计 采用 Mind Master 软件.

Deta 项目研发 采用 Eclipse IDE 软件.

Deta 项目测试 采用 JUNIT API 软件.

Deta 项目作品 主要采用 JAVA JDK8+.

Deta 项目编码和算法基础能力来自作者 在印度基督大学 学习的 数据结构 课程. 同时感谢Knime 为作者研究提供了启蒙基础（2009 年）.

作者长期使用 联想笔记本 windows 10 操作系统开发此项目, 电脑装 Avaster 杀毒软件保证其高效研发环境. 感谢 github 和 gitee 备份, 节省了作者 大量的存储硬盘, 同时方便 查阅, 逻辑的鼠标键盘 给作者 提供了迅捷 的输入输出 便利. 当然 电信的网络, 老爸,老妈, 都要感谢的.

研发需要清单

Java 编辑器.

Jdk8+. Java 虚拟机运行环境.

Junit 测试包.

一台连网的电脑.

第二节 研发源码

SaveAndUpdateFile, 文件类

package OSI.OPE.OEI.PVI.SOI.SMQ.load;

import java.io.BufferedReader;

import java.io.File;

import java.io.FileInputStream;

import java.io.InputStream;

import java.io.InputStreamReader;

import java.util.HashMap;

import java.util.Map;

import SVQ.stable.StableAnnotation;

import OSI.OPE.OVU.MVQ.OVU.PQE.nodeView.NodeShow;

import OSI.OPE.OVU.MVU.OVU.PQE.nodeEdit.LinkList;

import OSI.OPE.OVU.MVU.OVU.PQE.nodeEdit.LinkNode;

import OSI.OPE.OVU.MVU.OVU.PQE.nodeEdit.Sort;

public class LoadFile{

@SuppressWarnings({StableAnnotation.TAG\_RESOURCE})

public static LinkNode Load(LinkNode first, NodeShow nodeView, File file, LinkList thislist) {

//get path

try {

InputStream in= new FileInputStream(file);

BufferedReader cReader= new BufferedReader(new InputStreamReader(in));

String ctempString= null;

Map<String, String> currentNodeMap= new HashMap<>();

while ((ctempString= cReader.readLine())!= null) {

if(!ctempString.contains("######################")) {

if(ctempString.contains(":")&& ctempString.split(":").length>1) {

currentNodeMap.put(ctempString.split(":")[0], ctempString.split(":")[1]);

}

}else {

LinkNode node= new LinkNode();

node.beconnect= currentNodeMap.containsKey("beconnect")? currentNodeMap.get("beconnect").contains("false")? false: true: false;

node.dBeconnect= currentNodeMap.containsKey("dBeconnect")? currentNodeMap.get("dBeconnect").contains("false")? false: true: false;

node.dBeconnectID= currentNodeMap.containsKey("dBeconnectID")?Integer.parseInt(currentNodeMap.get("dBeconnectID")):0;

node.dBeconnectPrimaryKey= currentNodeMap.containsKey("dBeconnectPrimaryKey")?currentNodeMap.get("dBeconnectPrimaryKey"):"null";

node.dBeconnectX= currentNodeMap.containsKey("dBeconnectX")? Integer.parseInt(currentNodeMap.get("dBeconnectX")):0;

node.dBeconnectY= currentNodeMap.containsKey("dBeconnectY")? Integer.parseInt(currentNodeMap.get("dBeconnectY")):0;

node.dBeconnectName= currentNodeMap.containsKey("dBeconnectName")? currentNodeMap.get("dBeconnectName"):"null";

node.flash= currentNodeMap.containsKey("flash")? Integer.parseInt(currentNodeMap.get("flash")):0;

node.ID= currentNodeMap.containsKey("NodeID")? Integer.parseInt(currentNodeMap.get("NodeID")):0;

node.leftChoose= currentNodeMap.containsKey("leftChoose")? currentNodeMap.get("leftChoose").contains("false")? false: true: false;

node.mBeconnect= currentNodeMap.containsKey("mBeconnect")? currentNodeMap.get("mBeconnect").contains("false")? false: true: false;

node.mBeconnectID= currentNodeMap.containsKey("mBeconnectID")? Integer.parseInt(currentNodeMap.get("mBeconnectID")):0;

node.mBeconnectPrimaryKey= currentNodeMap.containsKey("mBeconnectPrimaryKey")? currentNodeMap.get("mBeconnectPrimaryKey"):"null";

node.mBeconnectX= currentNodeMap.containsKey("mBeconnectX")? Integer.parseInt(currentNodeMap.get("mBeconnectX")):0;

node.mBeconnectY= currentNodeMap.containsKey("mBeconnectY")? Integer.parseInt(currentNodeMap.get("mBeconnectY")):0;

node.mBeconnectName= currentNodeMap.containsKey("mBeconnectName")?currentNodeMap.get("mBeconnectName"):"null";

node.name= currentNodeMap.containsKey("NodeName")?currentNodeMap.get("NodeName"):"null";

node.rightChoose= currentNodeMap.containsKey("rightChoose")? currentNodeMap.get("rightChoose").contains("false")? false: true: false;

node.tBeconnect= currentNodeMap.containsKey("tBeconnect")? currentNodeMap.get("tBeconnect").contains("false")? false: true: false;

node.tBeconnectID= currentNodeMap.containsKey("tBeconnectID")? Integer.parseInt(currentNodeMap.get("tBeconnectID")):0;

node.tBeconnectPrimaryKey= currentNodeMap.containsKey("tBeconnectPrimaryKey")? currentNodeMap.get("tBeconnectPrimaryKey"):"null";

node.primaryKey= currentNodeMap.containsKey("primaryKey")? currentNodeMap.get("primaryKey"):"null";

node.tBeconnectX= currentNodeMap.containsKey("tBeconnectX")? Integer.parseInt(currentNodeMap.get("tBeconnectX")):0;

node.tBeconnectY= currentNodeMap.containsKey("tBeconnectY")? Integer.parseInt(currentNodeMap.get("tBeconnectY")):0;

node.tBeconnectName= currentNodeMap.containsKey("tBeconnectName")? currentNodeMap.get("tBeconnectName"):"null";

node.x= currentNodeMap.containsKey("NodeCoordinationX")? Integer.parseInt(currentNodeMap.get("NodeCoordinationX")):0;

node.y= currentNodeMap.containsKey("NodeCoordinationY")? Integer.parseInt(currentNodeMap.get("NodeCoordinationY")):0;

node= thislist.addNodeOnlyWithFace(node, nodeView.first);

node.thisFace.nodeConfiguration= currentNodeMap.containsKey("nodeConfiguration")? currentNodeMap.get("nodeConfiguration"):"null";

node.thisFace.isConfiged= currentNodeMap.containsKey("isConfiged")? currentNodeMap.get("isConfiged").contains("false")? false: true: false;

node.thisFace.isExecuted= currentNodeMap.containsKey("isExecuted")? currentNodeMap.get("isExecuted").contains("false")? false: true: false;

if(null== first) {

first= node;

}else {

first.next= node;

node.pre= first;

first= first.next;

}

currentNodeMap.clear();

}

}

}catch(Exception loadE) {

loadE.printStackTrace();

}

first= Sort.sort(first);

return first;

}

}

.....................................................................................................................

package OSI.OPE.MSI.OEI.SOI.SMQ.save;

import java.io.File;

import java.io.FileWriter;

import OSI.OPE.OVU.MVU.OVU.PQE.nodeEdit.LinkNode;

public class SaveAnd\_U\_File{

public static void update(String fileCurrentpath, LinkNode first) {

//delete file

File file= new File(fileCurrentpath);

if(file.exists()&& file.isFile()) {

file.delete();

}

//save

String fileSavepath= fileCurrentpath;

System.out.println(fileSavepath);

//create file and save

try {

FileWriter fileWriter= new FileWriter(fileSavepath);

LinkNode node= first;

while(null!= node) {

//挨个取。没难度。逐个把信息写入文件。

//节点坐标，节点名， 节点关联，

String NodeCoordinationX= StableCommon.STRING\_EMPTY node.x;

String NodeCoordinationY= StableCommon.STRING\_EMPTY node.y;

String NodeName= StableCommon.STRING\_EMPTY node.name;

String NodeID=""+ node.ID;

String flash=""+ node.flash;

String beconnect= StableCommon.STRING\_EMPTY node.beconnect;

String leftChoose= StableCommon.STRING\_EMPTY node.leftChoose;

String rightChoose= StableCommon.STRING\_EMPTY node.rightChoose;

String tBeconnect= StableCommon.STRING\_EMPTY node.tBeconnect;

String tBeconnectX= StableCommon.STRING\_EMPTY node.tBeconnectX;

String tBeconnectY= StableCommon.STRING\_EMPTY node.tBeconnectY;

String tBeconnectName= StableCommon.STRING\_EMPTY node.tBeconnectName;

String tBeconnectID= StableCommon.STRING\_EMPTY node.tBeconnectID;

String tBeconnectPrimaryKey= StableCommon.STRING\_EMPTY node.dBeconnectPrimaryKey;

String mBeconnect= StableCommon.STRING\_EMPTY node.mBeconnect;

String mBeconnectX= StableCommon.STRING\_EMPTY node.mBeconnectX;

String mBeconnectY= StableCommon.STRING\_EMPTY node.mBeconnectY;

String mBeconnectName= StableCommon.STRING\_EMPTY node.mBeconnectName;

String mBeconnectID= StableCommon.STRING\_EMPTY node.mBeconnectID;

String mBeconnectPrimaryKey= StableCommon.STRING\_EMPTY node.mBeconnectPrimaryKey;

String dBeconnect= StableCommon.STRING\_EMPTY node.dBeconnect;

String dBeconnectX= StableCommon.STRING\_EMPTY node.dBeconnectX;

String dBeconnectY= StableCommon.STRING\_EMPTY node.dBeconnectY;

String dBeconnectName= StableCommon.STRING\_EMPTY node.dBeconnectName;

String dBeconnectID= StableCommon.STRING\_EMPTY node.dBeconnectID;

String dBeconnectPrimaryKey= StableCommon.STRING\_EMPTY node.dBeconnectPrimaryKey;

String primaryKey= StableCommon.STRING\_EMPTY node.primaryKey;

String nodeConfiguration= StableCommon.STRING\_EMPTY node.thisFace.nodeConfiguration;

String isConfiged= StableCommon.STRING\_EMPTY node.thisFace.isConfiged;

String isExecuted= StableCommon.STRING\_EMPTY node.thisFace.isExecuted;

//配置

fileWriter.write("\r\n");

fileWriter.write("NodeCoordinationX:"+ NodeCoordinationX);

fileWriter.write("\r\n");

fileWriter.write("NodeName:"+ NodeName);

fileWriter.write("\r\n");

fileWriter.write("NodeCoordinationY:"+ NodeCoordinationY);

fileWriter.write("\r\n");

fileWriter.write("NodeID:"+ NodeID);

fileWriter.write("\r\n");

fileWriter.write("flash:"+ flash);

fileWriter.write("\r\n");

fileWriter.write("beconnect:"+ beconnect);

fileWriter.write("\r\n");

fileWriter.write("leftChoose:"+ leftChoose);

fileWriter.write("\r\n");

fileWriter.write("rightChoose:"+ rightChoose);

fileWriter.write("\r\n");

fileWriter.write("tBeconnect:"+ tBeconnect);

fileWriter.write("\r\n");

fileWriter.write("tBeconnectX:"+ tBeconnectX);

fileWriter.write("\r\n");

fileWriter.write("tBeconnectY:"+ tBeconnectY);

fileWriter.write("\r\n");

fileWriter.write("tBeconnectName:"+ tBeconnectName);

fileWriter.write("\r\n");

fileWriter.write("tBeconnectID:"+ tBeconnectID);

fileWriter.write("\r\n");

fileWriter.write("tBeconnectPrimaryKey:"+ tBeconnectPrimaryKey);

fileWriter.write("\r\n");

fileWriter.write("mBeconnect:"+ mBeconnect);

fileWriter.write("\r\n");

fileWriter.write("mBeconnectX:"+ mBeconnectX);

fileWriter.write("\r\n");

fileWriter.write("mBeconnectY:"+ mBeconnectY);

fileWriter.write("\r\n");

fileWriter.write("mBeconnectName:"+ mBeconnectName);

fileWriter.write("\r\n");

fileWriter.write("mBeconnectID:"+ mBeconnectID);

fileWriter.write("\r\n");

fileWriter.write("mBeconnectPrimaryKey:"+ mBeconnectPrimaryKey);

fileWriter.write("\r\n");

fileWriter.write("dBeconnect:"+ dBeconnect);

fileWriter.write("\r\n");

fileWriter.write("dBeconnectX:"+ dBeconnectX);

fileWriter.write("\r\n");

fileWriter.write("dBeconnectY:"+ dBeconnectY);

fileWriter.write("\r\n");

fileWriter.write("dBeconnectName:"+ dBeconnectName);

fileWriter.write("\r\n");

fileWriter.write("dBeconnectID:"+ dBeconnectID);

fileWriter.write("\r\n");

fileWriter.write("dBeconnectPrimaryKey:"+ dBeconnectPrimaryKey);

fileWriter.write("\r\n");

fileWriter.write("primaryKey:"+ primaryKey);

fileWriter.write("\r\n");

fileWriter.write("nodeConfiguration:"+ nodeConfiguration);

fileWriter.write("\r\n");

fileWriter.write("isConfiged:"+ isConfiged);

fileWriter.write("\r\n");

fileWriter.write("isExecuted:"+ isExecuted);

fileWriter.write("\r\n");

//分割

String split="##############################";

fileWriter.write("\r\n");

fileWriter.write(split);

fileWriter.flush();

if(null== node.next) {

break;

}

node= node.next;

}

fileWriter.close();

}catch(Exception saveFile) {

}

}

}

SaveAsANewFile, 文件类

package OSI.OPE.MSI.OEI.SOI.SMQ.save;

import java.awt.FileDialog;

import java.awt.Frame;

import java.io.File;

import java.io.FileWriter;

import MVQ.filenameFilter.TXTFilter;

import SVQ.stable.StableAnnotation;

import OSI.OPE.OVU.MVU.OVU.PQE.nodeEdit.LinkNode;

//准备把响应事件移植到这里。

public class SaveAs\_I\_File{

public static void Save(LinkNode first) {

FileDialog filedialog= new FileDialog(new Frame(), StableAnnotation.DOC\_CREATE, FileDialog.LOAD);

filedialog.setFilenameFilter(new TXTFilter(StableAnnotation.FILE\_FORMAT\_ETL));

filedialog.setVisible(true);

String fileSavepath= filedialog.getDirectory()+ filedialog.getFile();

System.out.println(fileSavepath);

if(new File(fileSavepath).isFile()&& fileSavepath.contains(StableAnnotation.FILE\_FORMAT\_ETL)) {

System.out.println(StableAnnotation.DOC\_EXIST);

return;

}

fileSavepath= fileSavepath+ StableAnnotation.FILE\_FORMAT\_ETL;

System.out.println(fileSavepath);

//create file and save

try {

FileWriter fileWriter= new FileWriter(fileSavepath);

LinkNode node= first;

while(null!= node) {

//挨个取。没难度。逐个把信息写入文件。

//节点坐标，节点名， 节点关联，

String NodeCoordinationX= StableCommon.STRING\_EMPTY node.x;

String NodeCoordinationY= StableCommon.STRING\_EMPTY node.y;

String NodeName= StableCommon.STRING\_EMPTY node.name;

String NodeID=""+ node.ID;

String flash=""+ node.flash;

String beconnect= StableCommon.STRING\_EMPTY node.beconnect;

String leftChoose= StableCommon.STRING\_EMPTY node.leftChoose;

String rightChoose= StableCommon.STRING\_EMPTY node.rightChoose;

String tBeconnect= StableCommon.STRING\_EMPTY node.tBeconnect;

String tBeconnectX= StableCommon.STRING\_EMPTY node.tBeconnectX;

String tBeconnectY= StableCommon.STRING\_EMPTY node.tBeconnectY;

String tBeconnectName= StableCommon.STRING\_EMPTY node.tBeconnectName;

String tBeconnectID= StableCommon.STRING\_EMPTY node.tBeconnectID;

String tBeconnectPrimaryKey= StableCommon.STRING\_EMPTY node.dBeconnectPrimaryKey;

String mBeconnect= StableCommon.STRING\_EMPTY node.mBeconnect;

String mBeconnectX= StableCommon.STRING\_EMPTY node.mBeconnectX;

String mBeconnectY= StableCommon.STRING\_EMPTY node.mBeconnectY;

String mBeconnectName= StableCommon.STRING\_EMPTY node.mBeconnectName;

String mBeconnectID= StableCommon.STRING\_EMPTY node.mBeconnectID;

String mBeconnectPrimaryKey= StableCommon.STRING\_EMPTY node.mBeconnectPrimaryKey;

String dBeconnect= StableCommon.STRING\_EMPTY node.dBeconnect;

String dBeconnectX= StableCommon.STRING\_EMPTY node.dBeconnectX;

String dBeconnectY= StableCommon.STRING\_EMPTY node.dBeconnectY;

String dBeconnectName= StableCommon.STRING\_EMPTY node.dBeconnectName;

String dBeconnectID= StableCommon.STRING\_EMPTY node.dBeconnectID;

String dBeconnectPrimaryKey= StableCommon.STRING\_EMPTY node.dBeconnectPrimaryKey;

String primaryKey= StableCommon.STRING\_EMPTY node.primaryKey;

String nodeConfiguration= StableCommon.STRING\_EMPTY node.thisFace.nodeConfiguration;

String isConfiged= StableCommon.STRING\_EMPTY node.thisFace.isConfiged;

String isExecuted= StableCommon.STRING\_EMPTY node.thisFace.isExecuted;

//配置

fileWriter.write("\r\n");

fileWriter.write("NodeCoordinationX:"+ NodeCoordinationX);

fileWriter.write("\r\n");

fileWriter.write("NodeName:"+ NodeName);

fileWriter.write("\r\n");

fileWriter.write("NodeCoordinationY:"+ NodeCoordinationY);

fileWriter.write("\r\n");

fileWriter.write("NodeID:"+ NodeID);

fileWriter.write("\r\n");

fileWriter.write("flash:"+ flash);

fileWriter.write("\r\n");

fileWriter.write("beconnect:"+ beconnect);

fileWriter.write("\r\n");

fileWriter.write("leftChoose:"+ leftChoose);

fileWriter.write("\r\n");

fileWriter.write("rightChoose:"+ rightChoose);

fileWriter.write("\r\n");

fileWriter.write("tBeconnect:"+ tBeconnect);

fileWriter.write("\r\n");

fileWriter.write("tBeconnectX:"+ tBeconnectX);

fileWriter.write("\r\n");

fileWriter.write("tBeconnectY:"+ tBeconnectY);

fileWriter.write("\r\n");

fileWriter.write("tBeconnectName:"+ tBeconnectName);

fileWriter.write("\r\n");

fileWriter.write("tBeconnectID:"+ tBeconnectID);

fileWriter.write("\r\n");

fileWriter.write("tBeconnectPrimaryKey:"+ tBeconnectPrimaryKey);

fileWriter.write("\r\n");

fileWriter.write("mBeconnect:"+ mBeconnect);

fileWriter.write("\r\n");

fileWriter.write("mBeconnectX:"+ mBeconnectX);

fileWriter.write("\r\n");

fileWriter.write("mBeconnectY:"+ mBeconnectY);

fileWriter.write("\r\n");

fileWriter.write("mBeconnectName:"+ mBeconnectName);

fileWriter.write("\r\n");

fileWriter.write("mBeconnectID:"+ mBeconnectID);

fileWriter.write("\r\n");

fileWriter.write("mBeconnectPrimaryKey:"+ mBeconnectPrimaryKey);

fileWriter.write("\r\n");

fileWriter.write("dBeconnect:"+ dBeconnect);

fileWriter.write("\r\n");

fileWriter.write("dBeconnectX:"+ dBeconnectX);

fileWriter.write("\r\n");

fileWriter.write("dBeconnectY:"+ dBeconnectY);

fileWriter.write("\r\n");

fileWriter.write("dBeconnectName:"+ dBeconnectName);

fileWriter.write("\r\n");

fileWriter.write("dBeconnectID:"+ dBeconnectID);

fileWriter.write("\r\n");

fileWriter.write("dBeconnectPrimaryKey:"+ dBeconnectPrimaryKey);

fileWriter.write("\r\n");

fileWriter.write("primaryKey:"+ primaryKey);

fileWriter.write("\r\n");

fileWriter.write("nodeConfiguration:"+ nodeConfiguration);

fileWriter.write("\r\n");

fileWriter.write("isConfiged:"+ isConfiged);

fileWriter.write("\r\n");

fileWriter.write("isExecuted:"+ isExecuted);

fileWriter.write("\r\n");

//分割

String split="##############################";

fileWriter.write("\r\n");

fileWriter.write(split);

fileWriter.flush();

if(null== node.next) {

break;

}

node= node.next;

}

fileWriter.close();

}catch(Exception saveFile) {

}

}

}

OSGI\_chansfer, 接口类

package OSI.OPE.SI.MCI.OEI.OVU.PQE.extOSGI;

import OSI.OPE.OVU.MVU.OVU.PQE.nodeEdit.LinkNode;

import OSI.OPE.OVU.MVU.OVU.PQE.nodeEdit.Sort;

public class OSGI\_chansfer {

//增加tin shell output map， 罗瑶光20211008

public OSGI\_chansfer(LinkNode node, LinkNode first){

first= Sort.sort(first);

LinkNode linkNode= new LinkNode();

linkNode= first;

//节点只有上中下3个input，于是优化成 max=3；

int max= 0;

while(null!= linkNode){

if(node.tBeconnect

//&&node.tBeconnectID== linkNode.ID

&&node.tBeconnectName.equals(linkNode.name)

&& (node.tBeconnectPrimaryKey.equalsIgnoreCase(linkNode.primaryKey))){

node.thisFace.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_OPE\_OPC\_ECI.toptablein

= linkNode.thisFace.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_AVQ\_ASQ\_OVQ\_OSQ\_VSQ.tableout;//链接是手操作的，在一键链接的时候输出不适用，准备修改成执行后操作，tableout记录

node.thisFace.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_OPE\_OPC\_ECI.topgin

= linkNode.thisFace.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_AVQ\_ASQ\_OVQ\_OSQ\_VSQ.gout;

node.thisFace.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_OPE\_OPC\_ECI.topOutput

= linkNode.thisFace.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_AVQ\_ASQ\_OVQ\_OSQ\_VSQ.outputOut;//准备把执行shellpanel后的 output tinmap 拿出来

//return; // 涉及多个节点测试

max++ ;

}

if(node.mBeconnect

//&&node.mBeconnectID== linkNode.ID

&& node.mBeconnectName.equals(linkNode.name)

&& (node.mBeconnectPrimaryKey.equalsIgnoreCase(linkNode.primaryKey))){

node.thisFace.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_OPE\_OPC\_ECI.midtablein

= linkNode.thisFace.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_AVQ\_ASQ\_OVQ\_OSQ\_VSQ.tableout;

node.thisFace.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_OPE\_OPC\_ECI.midgin

= linkNode.thisFace.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_AVQ\_ASQ\_OVQ\_OSQ\_VSQ.gout;

node.thisFace.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_OPE\_OPC\_ECI.midOutput

= linkNode.thisFace.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_AVQ\_ASQ\_OVQ\_OSQ\_VSQ.outputOut;

//return;

max++ ;

}

if(node.dBeconnect

//&&node.dBeconnectID== linkNode.ID

&& node.dBeconnectName.equals(linkNode.name)

&& (node.dBeconnectPrimaryKey.equalsIgnoreCase(linkNode.primaryKey))){

node.thisFace.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_OPE\_OPC\_ECI.downtablein

= linkNode.thisFace.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_AVQ\_ASQ\_OVQ\_OSQ\_VSQ.tableout;

node.thisFace.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_OPE\_OPC\_ECI.downgin

= linkNode.thisFace.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_AVQ\_ASQ\_OVQ\_OSQ\_VSQ.gout;

node.thisFace.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_OPE\_OPC\_ECI.downOutput

= linkNode.thisFace.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_AVQ\_ASQ\_OVQ\_OSQ\_VSQ.outputOut;

//return;

max++ ;

}

if(null== linkNode.next|| 3== max){//以后节点类型多了就重新设计。20211011 罗瑶光

break;

}

linkNode=linkNode.next;

}

}

}

OSGI\_rigester, 接口类

//元基索引版本见十一章 的OSI\_OSU\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI\_register

package org.LYG.GUI.extOSGI;

import java.io.IOException; import javax.swing.JTextPane; import org.LYG.GUI.OSGI.\*;

import org.LYG.node.ai.arffTransfer.arffTransferNodeInterface;

public class OSGI\_rigester{

JTextPane text; Object[][] tableData\_old;

public OSGI\_rigester(Object[][] tableData\_old, JTextPane text){

this.text = text;

this.tableData\_old = tableData\_old;

}

public NodeOSGI Rigester(NodeOSGI first, LinkOSGI link) throws IOException{

//注册

ObjectInterface arffTransferNode = new arffTransferNodeInterface(); first = link.addNode(first, arffTransferNode);

return first;

}

}

GUIsample, ETL引擎类

package OSI.OPE.AOPM.VECS.IDUQ.OVU.PQE.flash;

import java.awt.event.ActionEvent;

import java.awt.event.ActionListener;

import java.awt.event.ComponentEvent;

import java.awt.event.ComponentListener;

import java.awt.event.ItemEvent;

import java.awt.event.ItemListener;

import java.awt.event.MouseEvent;

import java.awt.event.MouseListener;

import java.awt.event.MouseMotionListener;

import javax.sound.sampled.UnsupportedAudioFileException;

import javax.swing.Box;

import javax.swing.BoxLayout;

import javax.swing.JApplet;

import javax.swing.JFrame;

import javax.swing.JOptionPane;

import javax.swing.JSplitPane;

import javax.swing.JTextPane;

import javax.swing.JScrollPane;

import javax.swing.UIManager;

import java.awt.Color;

import java.awt.Dimension;

import java.awt.FileDialog;

import java.awt.Frame;

import java.awt.MenuItem;

import java.awt.PopupMenu;

import java.io.File;

import java.io.FileNotFoundException;

import java.io.IOException;

import java.net.MalformedURLException;

import java.net.URL;

import java.net.URLClassLoader;

import java.util.HashMap;

import java.util.Map;

import javax.swing.event.TreeSelectionEvent;

import javax.swing.event.TreeSelectionListener;

import javax.swing.tree.DefaultMutableTreeNode;

import javax.swing.tree.TreePath;

import ME.APM.VSQ.App;

import ME.APM.VSQ.DetaBuy;

import MVQ.button.DetaButton;

import MVQ.filenameFilter.TXTFilter;

import OCI.ME.analysis.C.A;

import OSI.OPE.MSI.OEI.SOI.SMQ.save.SaveAnd\_U\_File;

import OSI.OPE.MSI.OEI.SOI.SMQ.save.SaveAs\_I\_File;

import OSI.OPE.MSQ.OVU.PQE.nodeInfo.NodeInfo;

import OSI.OPE.MSQ.OVU.PQE.nodeProject.NodeProject;

import SVQ.stable.StableAnnotation;

import OSI.OPE.OEI.PVI.SOI.SMQ.load.LoadFile;

import OSI.OPE.OEQ.MCQ.OVU.PQE.osgi.NodeOSGI;

import OSI.OPE.OEQ.MCQ.OVU.PQE.osgi.OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI;

import OSI.OPE.OVQ.MSQ.OVU.PQE.platForm.UnicornJSplitPane;

import OSI.OPE.OVU.MVQ.OVU.PQE.nodeView.CacuString;

import OSI.OPE.OVU.MVQ.OVU.PQE.nodeView.NodeShow;

import OSI.OPE.OVU.MVU.OVU.PQE.nodeEdit.LinkList;

import OSI.OPE.OVU.MVU.OVU.PQE.nodeEdit.LinkNode;

import OSI.OPE.OVU.MVU.OVU.PQE.nodeEdit.Sort;

import OSI.OPE.OVU.MVU.OVU.PQE.nodeEdit.U\_RelatedLineVPS;

import OSI.OPE.PSQ.OEU.SOI.SMQ.neroCell.BootNeroCell;

@SuppressWarnings("deprecation")

public class GUISample extends JApplet implements MouseMotionListener

, MouseListener, ItemListener, ActionListener, Runnable{

private static final long serialVersionUID= 5270675501794340912L;

public GUISample() {

getContentPane().setBackground(new Color(255,255,255));

}

public Map<String, Object> nodeReflection= new HashMap<>();

public String fileCurrentpath;

public int w, h;

public int flash= 0;

public int count= 0;

public String currentNodeName;

public int currentNodeID;

public String currentNodePrimaryKey;

public LinkList first;

public int currentx, currenty;

public int choose= 0;

public int oldx, oldy;

public int newx, newy;

public int is\_O= 0;

public String treeNodeName;

public NodeShow nodeView;

public NodeProject nodeProject;

public NodeInfo nodeInfo;

public UnicornJSplitPane mainSplitPane;

public UnicornJSplitPane leftSplitPane;

public UnicornJSplitPane rightSplitPane;

public UnicornJSplitPane righttopSplitPane;

public JScrollPane righttopScrollPane;

public JScrollPane rightdownScrollPane;

public JScrollPane rightrightScrollPane;

public JTextPane rightBotJTextPane;

public ThisCanvas canvas;

public PopupMenu popupMenu, nodeMenu, itemMenu, engineMenu;

public MenuItem save, saveAs, delete, load, boot, bootETL, osgis;

public MenuItem menuItem;

public MenuItem configre, run, show, dNode, dLine;

public Thread thread, threadApplet;

private JTextPane text;

private Object[][] tableData\_old;

public U\_RelatedLineVPS updateRelatedLine;

public App u;

public A \_A;

public Map<String, String> pos;

public void run() {

try {

Thread.sleep(100);

nodeProject.setBounds(0, 0, leftSplitPane.getWidth()

, leftSplitPane.getDividerLocation());

Thread.sleep(1000);

nodeProject.validate();

while(true){

try{

Thread.sleep(5000);

this.validate();

}catch (InterruptedException e) {}

this.validate();

}

} catch (InterruptedException e1) {

e1.printStackTrace();

}

}

public void start(){

if(thread== null){

thread= new Thread(this);

thread.start();

}

}

public void stop() {

}

public void Registrar() {

load.addActionListener(new java.awt.event.ActionListener() {

@SuppressWarnings({StableAnnotation.TAG\_STATIC\_ACCESS})

public void actionPerformed(ActionEvent e) {

try {

javax.swing.JOptionPane jOptionPane= new JOptionPane(StableAnnotation.ATTENSION\_LOAD\_ENSURE);

int confirm= jOptionPane.showConfirmDialog(canvas, StableAnnotation.ATTENSION\_LOAD\_ENSURE);

if(0!= confirm) {

rightBotJTextPane.setText(StableAnnotation.ATTENSION\_CANCELLED\_OPERATION);

rightBotJTextPane.validate();

return;

}

FileDialog filedialog= new FileDialog(new Frame(), StableAnnotation.ATTENSION\_LOAD\_HISTORY

, FileDialog.LOAD);

filedialog.setFilenameFilter(new TXTFilter(StableAnnotation.FILE\_FORMAT\_ETL));

filedialog.setVisible(true);

fileCurrentpath= filedialog.getDirectory()+ filedialog.getFile();

System.out.println(fileCurrentpath);

if(null== fileCurrentpath|| fileCurrentpath.isEmpty()|| !fileCurrentpath.contains

(StableAnnotation.FILE\_FORMAT\_ETL)) {

System.out.println(StableAnnotation.ATTENSION\_RECHOICE);

return;

}

File file= new File(fileCurrentpath);

if(!file.isFile()) {

System.out.println(StableAnnotation.ATTENSION\_RECHOICE);

return;

}

LinkNode needDeleteNode= first.first;

while(needDeleteNode!= null) {

first.first= first.deletNode(first.first, needDeleteNode.name, needDeleteNode.ID

, needDeleteNode.primaryKey);

if(null== needDeleteNode.next) {

break;

}

needDeleteNode= needDeleteNode.next;

}

canvas.repaint();

first.first= LoadFile.Load(first.first, nodeView, file, first);

}catch(Exception loadE) {

loadE.printStackTrace();

}

canvas.repaint();

righttopScrollPane.validate();

}

});

save.addActionListener(new java.awt.event.ActionListener() {

@SuppressWarnings({StableAnnotation.TAG\_STATIC\_ACCESS})

public void actionPerformed(ActionEvent e) {

if(null== fileCurrentpath) {

System.out.println(StableAnnotation.ATTENSION\_UNCURRENT\_CHOICE);

return;

}

javax.swing.JOptionPane jOptionPane= new JOptionPane(StableAnnotation.ATTENSION\_UPDATE\_ENSURE

+ fileCurrentpath + StableAnnotation.MARK\_QUESTION);

int confirm= jOptionPane.showConfirmDialog(canvas, StableAnnotation.ATTENSION\_UPDATE\_ENSURE

+ fileCurrentpath + StableAnnotation.MARK\_QUESTION);

if(0!= confirm) {

rightBotJTextPane.setText(StableAnnotation.ATTENSION\_CANCELLED\_OPERATION);

rightBotJTextPane.validate();

return;

}

SaveAnd\_U\_File.update(fileCurrentpath, first.first);

}

});

saveAs.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(ActionEvent e) {

SaveAs\_I\_File.Save(first.first);

}

});

osgis.addActionListener(new java.awt.event.ActionListener() {

@SuppressWarnings({ "static-access" })

public void actionPerformed(ActionEvent e) {

String jarCategoryLink= "";

FileDialog filedialog= new FileDialog(new Frame(), StableAnnotation.ATTENSION\_LOAD\_HISTORY

, FileDialog.LOAD);

filedialog.setFilenameFilter(new TXTFilter(StableAnnotation.FILE\_FORMAT\_ETL));

filedialog.setVisible(true);

jarCategoryLink= filedialog.getDirectory();

//System.out.println(jarCategoryLink);

if(null== jarCategoryLink|| jarCategoryLink.isEmpty()|| jarCategoryLink.contains

(StableAnnotation.FILE\_FORMAT\_JAR)) {

System.out.println(StableAnnotation.ATTENSION\_RECHOICE);

return;

}

File file= new File(jarCategoryLink);

if(file.isFile()) {

System.out.println(StableAnnotation.ATTENSION\_FILE\_CHOICE);

return;

}

File[] files= file.listFiles();

Here:

for(int i= 0; i< files.length; i++) {

rightBotJTextPane.validate();

getContentPane().validate();

URLClassLoader loader= null;

try {

loader= new URLClassLoader(new URL[]{ files[i].toURL() });

} catch (MalformedURLException e2) {

e2.printStackTrace();

}

String filename= files[i].getName().replace(StableAnnotation.FILE\_FORMAT\_JAR, StableAnnotation.STRING\_EMPTY);

if(!filename.contains("OSI.OSU.")) {

continue Here;

}

//如下注释2行代码 refer https://www.cnblogs.com/chinaxin/p/3678442.html 这小伙子以后有前途。哈哈

//Class<?> myclass = loader.loadClass("hand.java.loadjar.TestClass");

//Gene new object

//Object myobject = myclass.newInstance();

Class<?> myclass= null;

//因为按照标准格式函数命名, 因此做了首字母的大写变换, 准备调试下.罗瑶光

String[] filenameSplit= filename.split("\\.");

String lastName= filenameSplit[filenameSplit.length- 1];

String FirstCharOfLastName= (""+ lastName.charAt(0)).toUpperCase();

String NewlastName= FirstCharOfLastName+ lastName.subSequence(1, lastName.length());

System.out.println(filename);

// 数组 尾组 首字母 大写

//filename= (""+ filename.split("\\.")[filename.split("\\.").length- 1].charAt(0)).toUpperCase();

//System.out.println(filename.replace(filename.split(".").length, newChar)filename.split(".").length);

try {

String className= filename+ "."+ NewlastName

+ StableAnnotation.NODE\_NODE\_INTERFACE;

System.out.println(className);

myclass= loader.loadClass(className);

} catch (ClassNotFoundException e1) {

////增加小写识别一次，兼容老的插件。

////之后我会统一进行修改

////罗瑶光20210514

//FirstCharOfLastName= (""+ lastName.charAt(0));

//NewlastName= FirstCharOfLastName+ lastName.subSequence(1, lastName.length());

//System.out.println(filename);

//String className= filename+ "."+ NewlastName

// + StableData.NODE\_NODE\_INTERFACE;

//System.out.println(className);

//try {

// myclass= loader.loadClass(className);

//} catch (ClassNotFoundException e2) {

// // TODO Auto-generated catch block

// e2.printStackTrace();

//}

e1.printStackTrace();

}

Object myobject= null;

try {

myobject= myclass.newInstance();

}

catch (InstantiationException e1) {

e1.printStackTrace();

}

catch (IllegalAccessException e1) {

e1.printStackTrace();

}

//我准备之后设计成病毒式热插拔，因为绕过虚拟机的思想涉及情报学特工和计算机病毒领域

//，害怕国家相关安全体系管控，暂时不研发。

OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI

= (OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI) myobject;

if(nodeReflection.containsKey(OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_SQ\_VPC\_PCS)) {

rightBotJTextPane.setText("请勿重复添加，节点已存在"+ System.currentTimeMillis());

continue Here;

//return;

} nodeReflection.put(OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_SQ\_VPC\_PCS, null); OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI.register(tableData\_old, text, u, \_A, pos);

try {

//search register need add the information if(OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_SQ\_VPC\_PCS.contains("添加") && OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_SQ\_VPC\_PCS.contains("页")) { u.searchList.add(OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI); //memory increment

}

//searchList

//

OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI.IMP\_PSU();

rightBotJTextPane.setText("节点:"+ OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_SQ\_VPC\_PCS

+ "已经更新成功"+ System.currentTimeMillis()

+ "\r\n"+ rightBotJTextPane.getText());

rightBotJTextPane.validate();

thread.sleep(100);

} catch (IOException e1) {

e1.printStackTrace();

} catch (InterruptedException e2) {

e2.printStackTrace();

}

nodeView.first= nodeView.link.addNode(nodeView.first

, OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI);

}

nodeView.updateTree();

getContentPane().validate();

}

});

boot.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(ActionEvent e) {

try {

BootNeroCell.bootCell(first.first, rightBotJTextPane, canvas);

rightBotJTextPane.setText(StableAnnotation.NODE\_EXEC\_SUCCESS);

rightBotJTextPane.validate();

} catch (IOException e1) {

rightBotJTextPane.setText(e1.getStackTrace().toString());

rightBotJTextPane.validate();

} catch (UnsupportedAudioFileException | InterruptedException e1) {

rightBotJTextPane.setText(e1.getStackTrace().toString());

rightBotJTextPane.validate();

}

}

});

bootETL.addActionListener(new java.awt.event.ActionListener() {

@SuppressWarnings(StableAnnotation.TAG\_STATIC\_ACCESS)

public void actionPerformed(ActionEvent e) {

try {

javax.swing.JOptionPane jOptionPane= new JOptionPane(StableAnnotation.ATTENSION\_LOAD\_ENSURE);

int confirm= jOptionPane.showConfirmDialog(canvas, StableAnnotation.ATTENSION\_LOAD\_ENSURE);

if(0!= confirm) {

rightBotJTextPane.setText(StableAnnotation.ATTENSION\_CANCELLED\_OPERATION);

rightBotJTextPane.validate();

return;

}

FileDialog filedialog= new FileDialog(new Frame(), StableAnnotation.ATTENSION\_LOAD\_HISTORY

, FileDialog.LOAD);

filedialog.setFilenameFilter(new TXTFilter(StableAnnotation.FILE\_FORMAT\_ETL));

filedialog.setVisible(true);

fileCurrentpath= filedialog.getDirectory()+ filedialog.getFile();

System.out.println(fileCurrentpath);

if(null== fileCurrentpath|| fileCurrentpath.isEmpty()|| !fileCurrentpath.contains

(StableAnnotation.FILE\_FORMAT\_ETL)) {

System.out.println(StableAnnotation.ATTENSION\_RECHOICE);

return;

}

File file= new File(fileCurrentpath);

if(!file.isFile()) {

System.out.println(StableAnnotation.ATTENSION\_RECHOICE);

return;

}

LinkNode needDeleteNode= first.first;

while(needDeleteNode!= null) {

first.first= first.deletNode(first.first, needDeleteNode.name, needDeleteNode.ID

, needDeleteNode.primaryKey);

if(null== needDeleteNode.next) {

break;

}

needDeleteNode= needDeleteNode.next;

}

canvas.repaint();

first.first= LoadFile.Load(first.first, nodeView, file, first);

}catch(Exception loadE) {

loadE.printStackTrace();

}

canvas.repaint();

righttopScrollPane.validate();

try {

BootNeroCell.bootCell(first.first, rightBotJTextPane, canvas);

} catch (IOException e1) {

e1.printStackTrace();

} catch (UnsupportedAudioFileException | InterruptedException e1) {

e1.printStackTrace();

}

rightBotJTextPane.setText(StableAnnotation.NODE\_EXEC\_SUCCESS);

rightBotJTextPane.validate();

}

});

//delete

delete.addActionListener(new java.awt.event.ActionListener() {

@SuppressWarnings(StableAnnotation.TAG\_STATIC\_ACCESS)

public void actionPerformed(ActionEvent e) {

try {

javax.swing.JOptionPane jOptionPane= new JOptionPane(StableAnnotation.ATTENSION\_CANCEL\_ENSURE);

int confirm= jOptionPane.showConfirmDialog(canvas, StableAnnotation.ATTENSION\_CANCEL\_ENSURE);

if(0!= confirm) { rightBotJTextPane.setText(StableAnnotation.ATTENSION\_CANCELLED\_OPERATION);

rightBotJTextPane.validate();

return;

}

LinkNode node= first.first;

while(node!= null) {

first.first= first.deletNode(first.first, node.name, node.ID, node.primaryKey);

if(null== node.next) {

break;

}

node= node.next;

}

node= node.next;

canvas.repaint();

}catch(Exception E) {

canvas.repaint();

}

rightBotJTextPane.setText(StableAnnotation.ATTENSION\_DELETE);

rightBotJTextPane.validate();

}

});

leftSplitPane.addPropertyChangeListener(new java.beans.PropertyChangeListener() {

public void propertyChange(java.beans.PropertyChangeEvent evt) {

if (evt.getPropertyName().equals(JSplitPane.DIVIDER\_LOCATION\_PROPERTY)) {

//action code

nodeProject.width=leftSplitPane.getWidth();

nodeProject.height=leftSplitPane.getDividerLocation();

nodeProject.setBounds(0, 0,leftSplitPane.getWidth(),leftSplitPane

.getDividerLocation());

nodeProject.validate();

}

}

});

mainSplitPane.addPropertyChangeListener(new java.beans.PropertyChangeListener() {

public void propertyChange(java.beans.PropertyChangeEvent evt) {

if (evt.getPropertyName().equals(JSplitPane.DIVIDER\_LOCATION\_PROPERTY)) {

//action code

nodeProject.width=mainSplitPane.getDividerLocation();

nodeProject.height=leftSplitPane.getDividerLocation();

nodeProject.setBounds(0, 0,mainSplitPane.getDividerLocation()

, leftSplitPane.getDividerLocation());

nodeProject.validate();

}

}

});

righttopScrollPane.addComponentListener(new ComponentListener(){

public void componentHidden(ComponentEvent arg0) {}

public void componentMoved(ComponentEvent arg0) {}

public void componentResized(ComponentEvent arg0) {

righttopScrollPane.validate();

}

public void componentShown(ComponentEvent arg0) {}

});

getContentPane().addComponentListener(new ComponentListener(){

public void componentHidden(ComponentEvent arg0) {}

public void componentMoved(ComponentEvent arg0) {}

public void componentResized(ComponentEvent arg0) {

w= getContentPane().getWidth();

h= getContentPane().getHeight();

mainSplitPane.setBounds(10, 50, w- 20, h- 80);

mainSplitPane.setDividerLocation(0.11);

leftSplitPane.setDividerLocation(0.25);

rightSplitPane.setDividerLocation(0.85);

righttopSplitPane.setDividerLocation(0.9);

nodeProject.width= mainSplitPane.getDividerLocation();

nodeProject.height= leftSplitPane.getDividerLocation();

nodeProject.setBounds(0, 0, mainSplitPane.getDividerLocation()

, leftSplitPane.getDividerLocation());

nodeProject.validate();

mainSplitPane.validate();

System.out.println(w + "<>" + h);

}

public void componentShown(ComponentEvent arg0) {

}

});

addMouseListener(this);

addMouseMotionListener(this);

nodeProject.addMouseListener(this);

nodeView.addMouseListener(this);

nodeView.tree.addMouseListener(this);

nodeView.tree.addTreeSelectionListener(new TreeSelectionListener() {

public void valueChanged(TreeSelectionEvent evt) {

DefaultMutableTreeNode note

= (DefaultMutableTreeNode) nodeView.tree.getLastSelectedPathComponent();

String tr= null;

if(note!= null){

tr= new CacuString().cauString(note.toString());

}

if(tr!=null){

treeNodeName= new String(tr);

rightBotJTextPane.setText("节点名："+ treeNodeName);

rightBotJTextPane.validate();

}

}

});

menuItem.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(ActionEvent e) {

if(treeNodeName!=null){

try {

first.first= first.addNode(first.first, treeNodeName, 100, 50, nodeView.first);

righttopScrollPane.validate();

} catch (CloneNotSupportedException e1) {

rightBotJTextPane.setText(StableAnnotation.NODE\_ADD\_ERROR);

rightBotJTextPane.validate();

} catch (InstantiationException e1) {

rightBotJTextPane.setText(StableAnnotation.NODE\_ADD\_ERROR);

rightBotJTextPane.validate();

} catch (IllegalAccessException e1) {

rightBotJTextPane.setText(StableAnnotation.NODE\_ADD\_ERROR);

rightBotJTextPane.validate();

} catch (IOException e1) {

rightBotJTextPane.setText(StableAnnotation.NODE\_ADD\_ERROR);

rightBotJTextPane.validate();

}

rightBotJTextPane.setText("节点名："+ "treeNodeName");

rightBotJTextPane.validate();

}

}

});

configre.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(ActionEvent e) {

LinkNode node= new LinkNode();

first.first= Sort.sort(first.first);

node= first.first;

while(node!= null){

if(node.name.equals(canvas.currentNodeName)&&node.ID== canvas.currentNodeID&& node.primaryKey.equals(canvas.currentNodePrimaryKey)){

try {

node.thisFace.MEI\_MSU(rightBotJTextPane, canvas);

node.thisFace.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_AOI\_AOD\_AOU\_AOQ\_VES.setLocation(node.x, node.y);

node.thisFace.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_AOI\_AOD\_AOU\_AOQ\_VES.setSize(300, 300);

node.thisFace.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_AOI\_AOD\_AOU\_AOQ\_VES.setResizable(true);

node.thisFace.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_AOI\_AOD\_AOU\_AOQ\_VES.scrollPane.setBounds(0, 0

, node.thisFace.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_AOI\_AOD\_AOU\_AOQ\_VES.getWidth()- 10

, node.thisFace.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_AOI\_AOD\_AOU\_AOQ\_VES.getHeight()- 45);

node.thisFace.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_AOI\_AOD\_AOU\_AOQ\_VES

.panel.setPreferredSize(new Dimension(800, 600));

node.thisFace.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_AOI\_AOD\_AOU\_AOQ\_VES.setBackground(Color.BLUE);

node.thisFace.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_AOI\_AOD\_AOU\_AOQ\_VES.setVisible(true);

node.thisFace.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_AOI\_AOD\_AOU\_AOQ\_VES.validate();

new OSI.OPE.SI.MCI.OEI.OVU.PQE.extOSGI.OSGI\_chansfer(node, first.first);

} catch (IOException e1){

rightBotJTextPane.setText(StableAnnotation.NODE\_UPDATE\_ERROR);

rightBotJTextPane.validate();

}

}

node= node.next;

}

rightBotJTextPane.setText(StableAnnotation.NODE\_UPDATE\_SUCCESS);

rightBotJTextPane.validate();

}

});

run.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(ActionEvent e) {

LinkNode node= new LinkNode();

first.first= Sort.sort(first.first);

node= first.first;

while(node!= null){

if(node.name.equals(canvas.currentNodeName)&&node.ID == canvas.currentNodeID&& node.primaryKey.equals(canvas.currentNodePrimaryKey)){

try {

node.thisFace.OPE\_E(rightBotJTextPane);

} catch (FileNotFoundException e1) { rightBotJTextPane.setText(StableAnnotation.NODE\_EXEC\_ERROR);

rightBotJTextPane.validate();

} catch (IOException e1) { rightBotJTextPane.setText(StableAnnotation.NODE\_EXEC\_ERROR);

rightBotJTextPane.validate();

} catch (UnsupportedAudioFileException e2) { rightBotJTextPane.setText(StableAnnotation.NODE\_EXEC\_ERROR);

rightBotJTextPane.validate();

} catch (InterruptedException e3) { rightBotJTextPane.setText(StableAnnotation.NODE\_EXEC\_ERROR);

rightBotJTextPane.validate();

}

}

node= node.next;

}

rightBotJTextPane.setText(StableAnnotation.NODE\_EXEC\_SUCCESS);

rightBotJTextPane.validate();

}

});

show.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(ActionEvent e) {

LinkNode node= new LinkNode();

first.first= Sort.sort(first.first);

node= first.first;

while(node!= null){

if(node.name.equals(canvas.currentNodeName)&&node.ID== canvas.currentNodeID&& node.primaryKey.equals(canvas.currentNodePrimaryKey)){

if(!node.thisFace.showed){

try {

node.thisFace.AVQ\_ASQ\_OVQ\_OSQ\_VSQ(rightBotJTextPane);

node.thisFace.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_AVQ\_ASQ\_OVQ\_OSQ\_VSQ.setLocation(node.x, node.y);

node.thisFace.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_AVQ\_ASQ\_OVQ\_OSQ\_VSQ.setSize(500, 500);

node.thisFace.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_AVQ\_ASQ\_OVQ\_OSQ\_VSQ.setResizable(true);

node.thisFace.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_AVQ\_ASQ\_OVQ\_OSQ\_VSQ.scrollPane.setBounds(0, 0

, node.thisFace.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_AOI\_AOD\_AOU\_AOQ\_VES.getWidth()- 10

, node.thisFace.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_AOI\_AOD\_AOU\_AOQ\_VES.getHeight()- 45);

node.thisFace.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_AVQ\_ASQ\_OVQ\_OSQ\_VSQ

.panel.setPreferredSize(new Dimension(800, 600));

node.thisFace.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_AVQ\_ASQ\_OVQ\_OSQ\_VSQ.setVisible(true);

node.thisFace.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_AVQ\_ASQ\_OVQ\_OSQ\_VSQ.validate();

} catch (Exception e1) {

//e1.printStackTrace();

rightBotJTextPane.setText(StableAnnotation.NODE\_INSPECT\_ERROR);

rightBotJTextPane.validate();

}

}else{

node.thisFace.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_AVQ\_ASQ\_OVQ\_OSQ\_VSQ.setVisible(true);

}

}

node=node.next;

}

rightBotJTextPane.setText(StableAnnotation.NODE\_INDICATE\_SUCCESS);

rightBotJTextPane.validate();

}

});

dNode.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(ActionEvent e) {

LinkNode node= new LinkNode();

first.first= Sort.sort(first.first);

node=first.first;

while(node!= null){

if(node.name.equals(canvas.currentNodeName)&&node.ID== canvas.currentNodeID&& node.primaryKey.equalsIgnoreCase(canvas.currentNodePrimaryKey)){

first.first= first.deletNode(first.first, node.name, node.ID, node.primaryKey);

updateRelatedLine.doUpdateRelatedLine(first.first, canvas.currentNodeName, canvas.currentNodeID, canvas.currentNodePrimaryKey);

}

node= node.next;

}

canvas.repaint();

}

});

dLine.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(ActionEvent e) {

LinkNode node=new LinkNode();

first.first= Sort.sort(first.first);

node=first.first;

while(node!=null){

if(node.beconnect&&node.name.equals(canvas.currentNodeName)&& node.ID==canvas.currentNodeID

&& node.primaryKey.equals(canvas.currentNodePrimaryKey)){

node.beconnect=false;

node.tBeconnect=false;

node.mBeconnect=false;

node.dBeconnect=false;

}

node= node.next;

}

canvas.repaint();

}

});

}

public void init(){

try {

CreatMap();

} catch (IOException e) {

e.printStackTrace();

}

Registrar();

this.resize(w,h);

}

public void init(Object[][] tableData\_old,JTextPane text, App u

, A \_A, Map<String, String> pos){

try {

this.text= text;

this.tableData\_old= tableData\_old;

this.u= u;

this.\_A= \_A;

this.pos= pos;

CreatMap();

} catch (IOException e) {

e.printStackTrace();

}

Registrar();

this.resize(w,h);

}

private void CreatMap() throws IOException {

w= 1446- 130;

h= 820- 110-70;

updateRelatedLine= new U\_RelatedLineVPS();

getContentPane().setLayout(null);

UIManager.put("SplitPaneUI", "OSI.OPE.OVQ.MSQ.OVU.PQE.platForm.UnicornSplitPaneUI");

UIManager.put("ScrollBarUI", "OSI.OPE.OVQ.MSQ.OVU.PQE.platForm.UnicornScrollBarUI");

UIManager.put("TreeUI", "OSI.OPE.OVQ.MSQ.OVU.PQE.platForm.UnicornTreeUI");

currentNodeName= new String("");

first= new LinkList();

popupMenu= new PopupMenu();

menuItem= new MenuItem();

menuItem.setLabel("add");

popupMenu.add(menuItem);

nodeInfo= new NodeInfo();

nodeView= new NodeShow(this, this.tableData\_old, this.text, popupMenu, this.u, this.\_A, this.pos);

nodeView.tree.setBackground(Color.white);

nodeView.setBounds(10, 168, 137, 222);

nodeProject= new NodeProject();

nodeProject.setBounds(10, 38, 137, 124);

mainSplitPane = new UnicornJSplitPane();

mainSplitPane.setAutoscrolls(true);

//mainSplitPane.setEnabled(false);//

mainSplitPane.setBounds(10, 50, w-20, h-80);

mainSplitPane.setVisible(true);

getContentPane().add(mainSplitPane);

leftSplitPane= new UnicornJSplitPane();

leftSplitPane.setOrientation(JSplitPane.VERTICAL\_SPLIT);

mainSplitPane.setLeftComponent(leftSplitPane);

leftSplitPane.setLeftComponent(nodeProject);

leftSplitPane.setRightComponent(nodeView);

rightSplitPane= new UnicornJSplitPane();

rightSplitPane.setOrientation(JSplitPane.VERTICAL\_SPLIT);

mainSplitPane.setRightComponent(rightSplitPane);

righttopSplitPane= new UnicornJSplitPane();

rightSplitPane.setLeftComponent(righttopSplitPane);

rightBotJTextPane= new JTextPane();

rightBotJTextPane.setText("你好，亲~");

nodeMenu= new PopupMenu();

canvas= new ThisCanvas(threadApplet, first, nodeView, nodeMenu, rightBotJTextPane);

canvas.setPreferredSize(new Dimension(1500,1000));

canvas.setEnabled(true);

righttopScrollPane= new JScrollPane();

righttopScrollPane.setViewportView(canvas);

righttopSplitPane.setLeftComponent(righttopScrollPane);

rightrightScrollPane= new JScrollPane();

righttopSplitPane.setRightComponent(nodeInfo);

rightdownScrollPane= new JScrollPane(rightBotJTextPane);

rightSplitPane.setRightComponent(rightdownScrollPane);

configre= new MenuItem();

configre.setLabel("配置");

run= new MenuItem();

run.setLabel("运行");

show= new MenuItem();

show.setLabel("显示");

dNode= new MenuItem();

dNode.setLabel("删除该节");

dLine= new MenuItem();

dLine.setLabel("删除链接");

nodeMenu.add(configre);

nodeMenu.add(run);

nodeMenu.add(show);

nodeMenu.add(dNode);

nodeMenu.add(dLine);

getContentPane().add(popupMenu);

getContentPane().add(nodeMenu);

engineMenu= new PopupMenu();

load= new MenuItem();

load.setLabel(StableAnnotation.CONFIG\_LOAD);

save= new MenuItem();

save.setLabel(StableAnnotation.CONFIG\_UPDATE);

saveAs= new MenuItem();

saveAs.setLabel(StableAnnotation.CONFIG\_SAVE);

delete= new MenuItem();

delete.setLabel(StableAnnotation.CONFIG\_DELETE);

boot= new MenuItem();

boot.setLabel(StableAnnotation.CONFIG\_BOOT);

bootETL= new MenuItem();

bootETL.setLabel(StableAnnotation.CONFIG\_BOOT\_ETL);

osgis= new MenuItem();

osgis.setLabel(StableAnnotation.CONFIG\_OSGIS);

engineMenu.add(load);

engineMenu.add(save);

engineMenu.add(saveAs);

engineMenu.add(delete);

engineMenu.add(boot);

engineMenu.add(bootETL);

engineMenu.add(osgis);

getContentPane().add(engineMenu);

Box buttonBox = new Box(BoxLayout.X\_AXIS);

DetaButton loadButton= new DetaButton("导入文档");

loadButton.setBounds(5+105+105+105+105, 3, 100, 20);

loadButton.addActionListener(new ActionListener(){

@SuppressWarnings("static-access")

@Override

public void actionPerformed(ActionEvent arg0) {

try {

javax.swing.JOptionPane jOptionPane= new JOptionPane(StableAnnotation.ATTENSION\_LOAD\_ENSURE);

int confirm= jOptionPane.showConfirmDialog(canvas, StableAnnotation.ATTENSION\_LOAD\_ENSURE);

if(0!= confirm) {

rightBotJTextPane.setText(StableAnnotation.ATTENSION\_CANCELLED\_OPERATION);

rightBotJTextPane.validate();

return;

}

FileDialog filedialog= new FileDialog(new Frame(), StableAnnotation.ATTENSION\_LOAD\_HISTORY

, FileDialog.LOAD);

filedialog.setFilenameFilter(new TXTFilter(StableAnnotation.FILE\_FORMAT\_ETL));

filedialog.setVisible(true);

fileCurrentpath= filedialog.getDirectory()+ filedialog.getFile();

System.out.println(fileCurrentpath);

if(null== fileCurrentpath|| fileCurrentpath.isEmpty()|| !fileCurrentpath.contains

(StableAnnotation.FILE\_FORMAT\_ETL)) {

System.out.println(StableAnnotation.ATTENSION\_RECHOICE);

return;

}

File file= new File(fileCurrentpath);

if(!file.isFile()) {

System.out.println(StableAnnotation.ATTENSION\_RECHOICE);

return;

}

LinkNode needDeleteNode= first.first;

while(needDeleteNode!= null) {

first.first= first.deletNode(first.first, needDeleteNode.name, needDeleteNode.ID

, needDeleteNode.primaryKey);

if(null== needDeleteNode.next) {

break;

}

needDeleteNode= needDeleteNode.next;

}

canvas.repaint();

first.first= LoadFile.Load(first.first, nodeView, file, first);

}catch(Exception loadE) {

loadE.printStackTrace();

}

canvas.repaint();

righttopScrollPane.validate();

}

});

buttonBox.add(loadButton);

//

DetaButton saveButton= new DetaButton("保存文档");

saveButton.setBounds(5+105+105+105+105, 3, 100, 20);

saveButton.addActionListener(new ActionListener(){

@Override

public void actionPerformed(ActionEvent arg0) {

SaveAs\_I\_File.Save(first.first);

}

});

buttonBox.add(saveButton);

//

DetaButton runButton= new DetaButton("更新执行");

runButton.setBounds(5+105+105+105+105, 3, 100, 20);

runButton.addActionListener(new ActionListener(){

@SuppressWarnings("static-access")

@Override

public void actionPerformed(ActionEvent arg0) {

try {

javax.swing.JOptionPane jOptionPane= new JOptionPane(StableAnnotation.ATTENSION\_LOAD\_ENSURE);

int confirm= jOptionPane.showConfirmDialog(canvas, StableAnnotation.ATTENSION\_LOAD\_ENSURE);

if(0!= confirm) {

rightBotJTextPane.setText(StableAnnotation.ATTENSION\_CANCELLED\_OPERATION);

rightBotJTextPane.validate();

return;

}

FileDialog filedialog= new FileDialog(new Frame(), StableAnnotation.ATTENSION\_LOAD\_HISTORY

, FileDialog.LOAD);

filedialog.setFilenameFilter(new TXTFilter(StableAnnotation.FILE\_FORMAT\_ETL));

filedialog.setVisible(true);

fileCurrentpath= filedialog.getDirectory()+ filedialog.getFile();

System.out.println(fileCurrentpath);

if(null== fileCurrentpath|| fileCurrentpath.isEmpty()|| !fileCurrentpath.contains

(StableAnnotation.FILE\_FORMAT\_ETL)) {

System.out.println(StableAnnotation.ATTENSION\_RECHOICE);

return;

}

File file= new File(fileCurrentpath);

if(!file.isFile()) {

System.out.println(StableAnnotation.ATTENSION\_RECHOICE);

return;

}

LinkNode needDeleteNode= first.first;

while(needDeleteNode!= null) {

first.first= first.deletNode(first.first, needDeleteNode.name, needDeleteNode.ID

, needDeleteNode.primaryKey);

if(null== needDeleteNode.next) {

break;

}

needDeleteNode= needDeleteNode.next;

}

canvas.repaint();

first.first= LoadFile.Load(first.first, nodeView, file, first);

}catch(Exception loadE) {

loadE.printStackTrace();

}

canvas.repaint();

righttopScrollPane.validate();

try {

BootNeroCell.bootCell(first.first, rightBotJTextPane, canvas);

} catch (IOException e1) {

e1.printStackTrace();

} catch (UnsupportedAudioFileException | InterruptedException e1) {

e1.printStackTrace();

}

rightBotJTextPane.setText(StableAnnotation.NODE\_EXEC\_SUCCESS);

rightBotJTextPane.validate();

}

});

buttonBox.add(runButton);

//

DetaButton updateButton= new DetaButton("更新文档");

updateButton.setBounds(5+105+105+105+105, 3, 100, 20);

updateButton.addActionListener(new ActionListener(){

@SuppressWarnings("static-access")

@Override

public void actionPerformed(ActionEvent arg0) {

if(null== fileCurrentpath) {

System.out.println(StableAnnotation.ATTENSION\_UNCURRENT\_CHOICE);

return;

}

javax.swing.JOptionPane jOptionPane= new JOptionPane(StableAnnotation.ATTENSION\_UPDATE\_ENSURE

+ fileCurrentpath + StableAnnotation.MARK\_QUESTION);

int confirm= jOptionPane.showConfirmDialog(canvas, StableAnnotation.ATTENSION\_UPDATE\_ENSURE

+ fileCurrentpath + StableAnnotation.MARK\_QUESTION);

if(0!= confirm) {

rightBotJTextPane.setText(StableAnnotation.ATTENSION\_CANCELLED\_OPERATION);

rightBotJTextPane.validate();

return;

}

SaveAnd\_U\_File.update(fileCurrentpath, first.first);

}

});

buttonBox.add(updateButton);

//

DetaButton deleteButton= new DetaButton("删除文档");

deleteButton.setBounds(5+105+105+105+105, 3, 100, 20);

deleteButton.addActionListener(new ActionListener(){

@SuppressWarnings("static-access")

@Override

public void actionPerformed(ActionEvent arg0) {

try {

javax.swing.JOptionPane jOptionPane= new JOptionPane(StableAnnotation.ATTENSION\_CANCEL\_ENSURE);

int confirm= jOptionPane.showConfirmDialog(canvas, StableAnnotation.ATTENSION\_CANCEL\_ENSURE);

if(0!= confirm) { rightBotJTextPane.setText(StableAnnotation.ATTENSION\_CANCELLED\_OPERATION);

rightBotJTextPane.validate();

return;

}

LinkNode node= first.first;

while(node!= null) {

first.first= first.deletNode(first.first, node.name, node.ID, node.primaryKey);

if(null== node.next) {

break;

}

node= node.next;

}

node= node.next;

canvas.repaint();

}catch(Exception E) {

canvas.repaint();

}

rightBotJTextPane.setText(StableAnnotation.ATTENSION\_DELETE);

rightBotJTextPane.validate();

}

});

buttonBox.add(deleteButton);

//

DetaButton addButton= new DetaButton("添加插件");

addButton.setBounds(5+105+105+105+105, 3, 100, 20);

addButton.addActionListener(new ActionListener(){

@SuppressWarnings({ "static-access" })

@Override

public void actionPerformed(ActionEvent arg0) {

String jarCategoryLink= "";

FileDialog filedialog= new FileDialog(new Frame(), StableAnnotation.ATTENSION\_LOAD\_HISTORY, FileDialog.LOAD);

filedialog.setFilenameFilter(new TXTFilter(StableAnnotation.FILE\_FORMAT\_ETL));

filedialog.setVisible(true);

jarCategoryLink= filedialog.getDirectory();

//System.out.println(jarCategoryLink);

if(null== jarCategoryLink|| jarCategoryLink.isEmpty()|| jarCategoryLink.contains

(StableAnnotation.FILE\_FORMAT\_JAR)) {

System.out.println(StableAnnotation.ATTENSION\_RECHOICE);

return;

}

File file= new File(jarCategoryLink);

if(file.isFile()) {

System.out.println(StableAnnotation.ATTENSION\_FILE\_CHOICE);

return;

}

File[] files= file.listFiles();

Here:

for(int i= 0; i< files.length; i++) {

rightBotJTextPane.validate();

getContentPane().validate();

URLClassLoader loader = null;

try {

loader = new URLClassLoader(new URL[]{ files[i].toURL() });

} catch (MalformedURLException e2) {

e2.printStackTrace();

}

String filename= files[i].getName().replace(StableAnnotation.FILE\_FORMAT\_JAR, StableAnnotation.STRING\_EMPTY);

if(!filename.contains("OSI.OSU.")) {

continue Here;

}

/\* 源头: 见JDK 官方文档 的classloader 描述

//如下注释2行代码 refer https://www.cnblogs.com/chinaxin/p/3678442.html 这小伙子以后有前途。哈哈

//Class<?> myclass = loader.loadClass("hand.java.loadjar.TestClass");

//Gene new object

//Object myobject = myclass.newInstance();

\*/

//因为按照标准格式函数命名, 因此做了首字母的大写变换, 准备调试下.罗瑶光

String[] filenameSplit= filename.split("\\.");

String lastName= filenameSplit[filenameSplit.length- 1];

String FirstCharOfLastName= (""+ lastName.charAt(0)).toUpperCase();

String NewlastName= FirstCharOfLastName+ lastName.subSequence(1, lastName.length()); System.out.println(filename);

Class<?> myclass = null;

// 数组 尾组 首字母 大写

//filename= (""+ filename.split("\\.")[filename.split("\\.").length- 1].charAt(0)).toUpperCase();

//System.out.println(filename.replace(filename.split(".").length, newChar)filename.split(".").length);

try {

String className= filename+ "."+ NewlastName

+ StableAnnotation.NODE\_NODE\_INTERFACE;

System.out.println(className);

myclass= loader.loadClass(className);

} catch (ClassNotFoundException e1) {

// //增加小写识别一次，兼容老的插件。

// FirstCharOfLastName= (""+ lastName.charAt(0));

// NewlastName= FirstCharOfLastName+ lastName.subSequence(1, lastName.length());

// System.out.println(filename);

// String className= filename+ "."+ NewlastName

// + StableData.NODE\_NODE\_INTERFACE;

// System.out.println(className);

// try {

//myclass= loader.loadClass(className);

// } catch (ClassNotFoundException e) {

//// TODO Auto-generated catch block

//e.printStackTrace();

// }

e1.printStackTrace();

}

Object myobject= null;

try {

myobject= myclass.newInstance();

}

catch (InstantiationException e1) {

e1.printStackTrace();

}

catch (IllegalAccessException e1) {

e1.printStackTrace();

}

//我准备之后设计成病毒式热插拔，因为绕过虚拟机的思想涉及情报学特工和计算机病毒领域

//，害怕国家相关安全体系管控，暂时不研发。

OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI

= (OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI) myobject;

if(nodeReflection.containsKey(OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_SQ\_VPC\_PCS)) {

rightBotJTextPane.setText("请勿重复添加，节点已存在"+ System.currentTimeMillis());

continue Here;

//return;

}

nodeReflection.put(OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_SQ\_VPC\_PCS, null);

OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI.register(tableData\_old, text, u, \_A, pos);

try {

if(OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_SQ\_VPC\_PCS.contains("添加")&& OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_SQ\_VPC\_PCS.contains("页")) { u.searchList.add(OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI); //memory increment

}

OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI.IMP\_PSU();

rightBotJTextPane.setText("节点:"

+ OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_SQ\_VPC\_PCS

+ "已经更新成功"+ System.currentTimeMillis()

+ "\r\n"+ rightBotJTextPane.getText());

rightBotJTextPane.validate();

thread.sleep(100);

} catch (IOException e) {

e.printStackTrace();

} catch (InterruptedException e) {

e.printStackTrace();

}

nodeView.first= nodeView.link.addNode(nodeView.first

, OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI);

}

nodeView.updateTree();

getContentPane().validate();

}

});

buttonBox.add(addButton);

//

DetaButton execButton= new DetaButton("一键执行");

execButton.setBounds(5+ 105+ 105+ 105+ 105, 3, 100, 20);

execButton.addActionListener(new ActionListener(){

@Override

public void actionPerformed(ActionEvent arg0) {

try {

BootNeroCell.bootCell(first.first, rightBotJTextPane, canvas);

rightBotJTextPane.setText(StableAnnotation.NODE\_EXEC\_SUCCESS);

rightBotJTextPane.validate();

} catch (IOException e1) {

rightBotJTextPane.setText(e1.getStackTrace().toString());

rightBotJTextPane.validate();

} catch (UnsupportedAudioFileException | InterruptedException e1) {

rightBotJTextPane.setText(e1.getStackTrace().toString());

rightBotJTextPane.validate();

}

}

});

buttonBox.add(execButton);

//

DetaButton execButton1= new DetaButton("记忆键一");

execButton1.setBounds(5+ 105+ 105+ 105+ 105, 3, 100, 20);

execButton1.addActionListener(new ActionListener(){

@Override

public void actionPerformed(ActionEvent arg0) {

}

});

buttonBox.add(execButton1);

//

DetaButton execButton2= new DetaButton("记忆键二");

execButton2.setBounds(5+ 105+ 105+ 105+ 105, 3, 100, 20);

execButton2.addActionListener(new ActionListener(){

@Override

public void actionPerformed(ActionEvent arg0) {

}

});

buttonBox.add(execButton2);

//

DetaButton execButton3= new DetaButton("记忆键三");

execButton3.setBounds(5+ 105+ 105+ 105+ 105, 3, 100, 20);

execButton3.addActionListener(new ActionListener(){

@Override

public void actionPerformed(ActionEvent arg0) {

}

});

buttonBox.add(execButton3);

//

DetaButton execButton4= new DetaButton("记忆键四");

execButton4.setBounds(5+ 105+ 105+ 105+ 105, 3, 100, 20);

execButton4.addActionListener(new ActionListener(){

@Override

public void actionPerformed(ActionEvent arg0) {

}

});

buttonBox.add(execButton4);

//

DetaButton execButton5= new DetaButton("记忆键五");

execButton5.setBounds(5+ 105+ 105+ 105+ 105, 3, 100, 20);

execButton5.addActionListener(new ActionListener(){

@Override

public void actionPerformed(ActionEvent arg0) {

}

});

buttonBox.add(execButton5);

//

DetaButton execButton6= new DetaButton("卸载节点");

execButton6.setBounds(5+ 105+ 105+ 105+ 105, 3, 100, 20);

execButton6.addActionListener(new ActionListener(){

@Override

public void actionPerformed(ActionEvent arg0) {

//确认是否卸载

javax.swing.JOptionPane jOptionPane= new JOptionPane("确认是否卸载？");

@SuppressWarnings("static-access")

int confirm= jOptionPane.showConfirmDialog(canvas, "确认卸载吗？");

if(0!= confirm) {

rightBotJTextPane.setText(StableAnnotation.ATTENSION\_CANCELLED\_OPERATION);

rightBotJTextPane.validate();

return;

}

//卸载

//first.first

NodeOSGI linkNode= nodeView.first;

while(linkNode.next!= null) {//daodi

linkNode= linkNode.next;

}

Here:

while(linkNode!= null) {//benshen

if(nodeReflection.containsKey(linkNode.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_SQ\_VPC\_PCS)) {

nodeReflection.remove(linkNode.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_SQ\_VPC\_PCS);

if(linkNode.pre!= null) {

linkNode= linkNode.pre;

if(linkNode.next.next!= null) {

linkNode.next= linkNode.next.next;

} else {

linkNode.next= null;

}

}else if(linkNode.next!= null) {

linkNode= linkNode.next;

linkNode.pre= null;

}

continue Here;

}

if(linkNode.pre== null) {

break;

}

linkNode= linkNode.pre;

}

nodeView.first= linkNode;

nodeView.updateTree();

rightBotJTextPane.setText("卸载成功!");

rightBotJTextPane.validate();

}

});

buttonBox.add(execButton6);

//

DetaButton execButton7= new DetaButton("购买节点");

execButton7.setBounds(5+ 105+ 105+ 105+ 105, 3, 100, 20);

execButton7.addActionListener(new ActionListener(){

DetaBuy detaBuy;

JFrame jFrame;

@Override

public void actionPerformed(ActionEvent arg0) {

if(null== jFrame) {

detaBuy= new DetaBuy();

try {

detaBuy.init(null);

} catch (IOException e) {

// TODO Auto-generated catch block

e.printStackTrace();

}

detaBuy.setBounds(0, 0, 785, 655);

detaBuy.setVisible(true);

detaBuy.show();

jFrame= new JFrame("购买信息 V1.0.0");

//frame.setLayout(null);

jFrame.setSize(780, 650);

jFrame.setLocation(300, 300);

jFrame.setResizable(false);

jFrame.add(detaBuy);

jFrame.setVisible(true);

jFrame.show();

jFrame.setDefaultCloseOperation(JFrame.HIDE\_ON\_CLOSE);

}else {

jFrame.setVisible(true);

jFrame.show();

}

}

});

buttonBox.add(execButton7);

//

DetaButton execButton8= new DetaButton("配置面板");

execButton8.setBounds(5+ 105+ 105+ 105+ 105, 3, 100, 20);

execButton8.addActionListener(new ActionListener(){

@Override

public void actionPerformed(ActionEvent arg0) {

engineMenu.show(canvas, 0, 0);

}

});

buttonBox.add(execButton8);

buttonBox.setBounds(10, 0, 1400, 50);

getContentPane().add(buttonBox);

getContentPane().setVisible(true);

}

public void actionPerformed(ActionEvent arg0) {}

public void itemStateChanged(ItemEvent arg0) {}

public void mouseClicked(MouseEvent arg0) {}

public void mouseEntered(MouseEvent arg0) {}

public void mouseExited(MouseEvent arg0) {}

public void mousePressed(MouseEvent arg0) {}

public void mouseReleased(MouseEvent arg0) {

//TreePath path= nodeView.tree.getPathForLocation(arg0.getX(), arg0.getY());

TreePath path= nodeView.tree.getSelectionPath();

if (path != null){

nodeView.tree.setSelectionPath(path);

if (3== arg0.getButton()){

popupMenu.show(nodeView.tree, arg0.getX(), arg0.getY());

}else {

//engineMenu.show(canvas, 0, 0);

}

}else {

engineMenu.show(canvas, 0, 0);

}

}

public void mouseDragged(MouseEvent arg0) {}

public void mouseMoved(MouseEvent arg0) {}

}

ThisCanvas, 画图引擎类

package OSI.OPE.AOPM.VECS.IDUQ.OVU.PQE.flash;

import java.awt.Color;

import java.awt.Graphics;

import java.awt.Graphics2D;

import java.awt.MenuItem;

import java.awt.PopupMenu;

import java.awt.event.ActionEvent;

import java.awt.event.ActionListener;

import java.awt.event.ItemEvent;

import java.awt.event.ItemListener;

import java.awt.event.MouseEvent;

import java.awt.event.MouseListener;

import java.awt.event.MouseMotionListener;

import javax.swing.JPanel;

import javax.swing.JScrollPane;

import javax.swing.JTextPane;

import OSI.OPE.MSQ.OVU.PQE.nodeInfo.NodeInfo;

import OSI.OPE.MSQ.OVU.PQE.nodeProject.NodeProject;

import SVQ.stable.StableAnnotation;

import OSI.OPE.OVQ.MSQ.OVU.PQE.platForm.UnicornJSplitPane;

import OSI.OPE.OVU.MVQ.OVU.PQE.nodeView.NodeShow;

import OSI.OPE.OVU.MVU.OVU.PQE.nodeEdit.CheckRangeVPS;

import OSI.OPE.OVU.MVU.OVU.PQE.nodeEdit.ChooseQ\_VPS;

import OSI.OPE.OVU.MVU.OVU.PQE.nodeEdit.DrawArrowVPS;

import OSI.OPE.OVU.MVU.OVU.PQE.nodeEdit.DrawFlashSide;

import OSI.OPE.OVU.MVU.OVU.PQE.nodeEdit.DynamicLineU\_VPS;

import OSI.OPE.OVU.MVU.OVU.PQE.nodeEdit.LinkList;

import OSI.OPE.OVU.MVU.OVU.PQE.nodeEdit.LinkNode;

import OSI.OPE.OVU.MVU.OVU.PQE.nodeEdit.Sort;

//作者: 罗瑶光

public class ThisCanvas extends JPanel implements MouseMotionListener

, MouseListener, ItemListener, ActionListener, Runnable{

private static final long serialVersionUID = 1L;

public Thread threadApplet;

public String fileCurrentpath;

public int w, h;

public boolean isInit= false;

public int flash= 0;

public int count= 0;

public int mouseDirection= 0;

public String currentNodeName;

public int currentNodeID;

public String currentNodePrimaryKey;

public LinkList first;

public int currentX, currentY;

public int choose= 0;

public int oldX, oldY;

public int newx, newy;

public int is\_O= 0;

public String treeNodeName;

public NodeShow nodeView;

public NodeProject nodeProject;

public NodeInfo nodeInfo;

public UnicornJSplitPane mainSplitPane;

public UnicornJSplitPane leftSplitPane;

public UnicornJSplitPane rightSplitPane;

public UnicornJSplitPane righttopSplitPane;

public JScrollPane righttopScrollPane;

public JScrollPane rightdownScrollPane;

public JScrollPane rightrightScrollPane;

public JTextPane rightBotJTextPane;

public PopupMenu popupMenu, nodeMenu, itemMenu, engineMenu;

public MenuItem save, saveAs, delete, load;

public MenuItem menuItem;

public MenuItem configre, run, show, dNode, dLine;

public ChooseQ\_VPS chooseCheck;

public DynamicLineU\_VPS dynamicLineUpdater;

public DrawArrowVPS drawArrow;

public CheckRangeVPS checkRange;

public ThisCanvas(Thread threadApplet, LinkList first, NodeShow nodeView

, PopupMenu nodeMenu, JTextPane rightBotJTextPane){

this.setLayout(null);

this.addMouseListener(this);

this.addMouseMotionListener(this);

this.start();

this.setOpaque(false);

this.threadApplet= threadApplet;

this.first= first;

this.nodeView= nodeView;

this.nodeMenu= nodeMenu;

this.rightBotJTextPane= rightBotJTextPane;

chooseCheck= new ChooseQ\_VPS();

dynamicLineUpdater= new DynamicLineU\_VPS();

drawArrow= new DrawArrowVPS();

checkRange= new CheckRangeVPS();

this.setBackground(Color.white);

}

@SuppressWarnings(StableAnnotation.TAG\_DEPRECATION)

public void run() {

while(true){

try{

Thread.sleep(80);

this.updateUI();

}catch (InterruptedException e) {

//threadApplet.destroy(); //jdk16 没有了destroy

threadApplet.stop();

e.printStackTrace();

}

}

}

public void start(){

if(null== threadApplet){

threadApplet = new Thread(this);

threadApplet.start();

}

}

@SuppressWarnings(StableAnnotation.TAG\_DEPRECATION)

public void stop() {

//threadApplet.destroy(); //jdk16 没有了destroy

threadApplet.stop();

}

public void actionPerformed(ActionEvent arg0) {}

public void itemStateChanged(ItemEvent arg0) {}

public void mouseClicked(MouseEvent arg0) {}

public void mouseEntered(MouseEvent arg0) {}

public void mouseExited(MouseEvent arg0) {}

public void mousePressed(MouseEvent arg0) {

is\_O= 1;

oldX= arg0.getX();

oldY= arg0.getY();

currentX= arg0.getX();

currentY= arg0.getY();

Object[] node= chooseCheck.chooseCheckNode(first.first, arg0);

currentNodeName= (String) node[0];

currentNodeID= (int) node[1];

currentNodePrimaryKey= (String) node[2];

rightBotJTextPane.setText("坐标位："+ arg0.getX()+ "|"+ arg0.getY());

rightBotJTextPane.validate();

}

public void mouseReleased(MouseEvent arg0){

is\_O= 0;

currentX= arg0.getX();

currentY= arg0.getY();

LinkNode node= first.first;

while(null!= node){

if(node.rightChoose&& !node.leftChoose){

if(oldX== arg0.getX()&&oldY == arg0.getY()){

nodeMenu.show(this, arg0.getX(), arg0.getY());

}

else{

checkRange.doCheckRange(first.first, node,arg0);

}

}

node.setchoose(false);

node.rightChoose= false;

node.actionNodeLeft= false;

node.actionNodeRight= false;

node= node.next;

}

}

public void mouseDragged(MouseEvent e) {

is\_O= 1;

try {

Thread.sleep(32);//1000/25=40

} catch (InterruptedException e1) {

e1.printStackTrace();

}

currentX= e.getX();

currentY= e.getY();

LinkNode node= first.first;

Graphics g= getGraphics();

Graphics2D graphics2D= (Graphics2D)g;

graphics2D.setColor(Color.black);

boolean needUpdate= false;

LinkNode actionNode= null;

while(null!= node){

if(node.rightChoose) {

graphics2D.setColor(new Color(240, 240, 240));

g.fillRect(node.x+19, node.y+12, 30, 30);

}

if(node.leftChoose|| node.rightChoose) {

needUpdate= true;

}

if(node.leftChoose&& !node.rightChoose){

node.actionNodeLeft= true;

node.actionNodeRight= false;

node.setxy(e.getX(), e.getY());

actionNode= node;

//移动后 节点输出坐标和连线更新

}else {

node.actionNodeLeft= false;

node.actionNodeRight= true;

}

node= node.next;

}

if(needUpdate) {

this.update(g);

g.dispose();

if(null!= actionNode) {

actionNode.actionNodeLeft= false;

actionNode.actionNodeRight= false;

}

}

newx= currentX;

newy= currentY;

}

public void mouseMoved(MouseEvent arg0) {

}

public void paint(Graphics g){

try {

nodeView.validate();

Graphics2D graphics2D= (Graphics2D)g;

//graphics2D.clearRect(0, 0, this.getWidth(), this.getHeight());

first.first= Sort.sort(first.first);

LinkNode node= first.first;

while(node!= null){

node.x= node.x< 0? 10: node.x;

node.x= node.x> this.getWidth()- 100? this.getWidth()- 100: node.x;

node.y= node.y< 0? 10: node.y;

node.y= node.y> this.getHeight()- 100? this.getHeight()- 100: node.y;

if(!node.actionNodeLeft&& !node.leftChoose) {

g.drawImage(node.thisFace.thisImage, node.x+ 19, node.y+ 12, this);

}

node.flash= node.flash> 100? 0: node.flash;

//如果一个节点是移动节点 或者这个节点的连接前序节点是移动节点

if(node.actionNodeLeft) {

DrawFlashSide.deleteFlashSide(graphics2D, node.oldx, node.oldy);

}

if(0== is\_O) {

DrawFlashSide.drawFlashSide(graphics2D, node.x, node.y, node.flash++ % 3);

}else {

DrawFlashSide.drawFlashSide(graphics2D, node.x, node.y, node.flash);

}

if(node.actionNodeLeft) {

graphics2D.setColor(new Color(240, 240, 240));

g.drawString(node.name+ "->"+ node.ID, node.oldx- 5, node.oldy- 20);

}

graphics2D.setColor(Color.black);

g.drawString(node.name+ "->"+ node.ID, node.x- 5, node.y- 20);

graphics2D.setColor(new Color(25, 25, 112));

if(node.beconnect){

if(node.tBeconnect){

arrowTargetTop(node, graphics2D);

}if(node.mBeconnect){

arrowTargetMed(node, graphics2D);

}if(node.dBeconnect){

arrowTargetBot(node, graphics2D);

}

}else if(!node.leftChoose&& node.rightChoose){

arrowTargetLink(graphics2D, oldX , oldY, newx, newy, currentX, currentY);

}

if(node.actionNodeLeft) {

node.oldx= node.x;

node.oldy= node.y;

}

node= node.next;

}

}catch(Exception e) {

e.printStackTrace();

}

}

//下面 这些函数是 已调试通过的 按sonar qube最高认证编写方法进行ThisCanvas函数迭代化简, 因为函数call 严重消耗指令计算时间

//, 浪费算能, 大家可以继续用原来的ThisCanvasBackup函数替换,

//作者罗瑶光

private void arrowTargetTop(LinkNode node, Graphics2D graphics2D) {

//记录arrow 同时 下一次画图, 清除该上一次 arrow

arrowTargetThis(node, graphics2D, node.tBeconnectX+ 62, node.tBeconnectY+ 28

, node.oldx+ 14, node.oldy- 6, node.x+ 14, node.y- 6);

if(node.tNode.actionNodeLeft) {

arrowTargetNext(graphics2D, node.tBeconnectX+ 62, node.tBeconnectY+ 28

, node.x+ 14, node.y- 6);

node.tBeconnectX= node.tNode.x;

node.tBeconnectY= node.tNode.y;

}

if(!node.leftChoose&& node.rightChoose){

arrowTargetLink(graphics2D, oldX , oldY, newx, newy, currentX, currentY);

}

}

private void arrowTargetMed(LinkNode node, Graphics2D graphics2D) {

arrowTargetThis(node, graphics2D, node.mBeconnectX+ 62, node.mBeconnectY+ 28

, node.oldx- 4, node.oldy+ 25, node.x- 4, node.y+ 25);

if(node.mNode.actionNodeLeft) {

arrowTargetNext(graphics2D, node.mBeconnectX+ 62, node.mBeconnectY+ 28

, node.x- 4, node.y+ 25);

node.mBeconnectX= node.mNode.x;

node.mBeconnectY= node.mNode.y;

}

if(!node.leftChoose&& node.rightChoose){

arrowTargetLink(graphics2D, oldX , oldY, newx, newy, currentX, currentY);

}

}

private void arrowTargetBot(LinkNode node, Graphics2D graphics2D) {

arrowTargetThis(node, graphics2D, node.dBeconnectX+ 62, node.dBeconnectY+ 28

, node.oldx+ 6, node.oldy+ 55, node.x+ 6, node.y+ 55);

if(node.dNode.actionNodeLeft) {

arrowTargetNext(graphics2D, node.dBeconnectX+ 62, node.dBeconnectY+ 28

, node.x+ 6, node.y+ 55);

node.dBeconnectX= node.dNode.x;

node.dBeconnectY= node.dNode.y;

}

if(!node.leftChoose&& node.rightChoose){

arrowTargetLink(graphics2D, oldX , oldY, newx, newy, currentX, currentY);

}

}

private void arrowTargetThis(LinkNode node, Graphics2D graphics2D, int tX, int tY

, int oX, int oY,int x, int y) {

if(node.actionNodeLeft) {

graphics2D.setColor(new Color(240, 240, 240));

drawArrow.doDrawArrow(graphics2D, tX , tY, oX, oY);

graphics2D.setColor(new Color(25, 25, 112));

}

drawArrow.doDrawArrow(graphics2D, tX , tY, x, y);

}

private void arrowTargetNext(Graphics2D graphics2D, int tX , int tY, int oX, int oY) {

graphics2D.setColor(new Color(240, 240, 240));

drawArrow.doDrawArrow(graphics2D, tX, tY, oX, oY);

graphics2D.setColor(new Color(25, 25, 112));

drawArrow.doDrawArrow(graphics2D, tX, tY, oX, oY);

}

private void arrowTargetLink(Graphics2D graphics2D, int oX , int oY, int nX, int nY

, int cX, int cY) {

graphics2D.setColor(new Color(240, 240, 240));

drawArrow.doDrawArrow(graphics2D, oX, oY, nX, nY);

graphics2D.setColor(Color.black);

drawArrow.doDrawArrow(graphics2D, oX, oY, cX, cY);

graphics2D.setColor(new Color(25, 25, 112));

}

}

CheckRange, 区间类

package OSI.OPE.OVU.MVU.OVU.PQE.nodeEdit;

import java.awt.event.MouseEvent;

import OSI.OPE.MVU.OVU.OVU.PQE.nodeEdit.C.CheckRange;

public class CheckRangeVPS implements CheckRange{

public void doCheckRange(LinkNode first, LinkNode node, MouseEvent arg0) {

LinkNode linkNode= first;

int x, y;

x= arg0.getX();

y= arg0.getY();

while(null!= linkNode){

if((x> linkNode.x- 20)&& (x< linkNode.x+ 100)&& (y> linkNode.y- 100)&& (y< linkNode.y+ 16)&& (!node.primaryKey.equalsIgnoreCase(linkNode.primaryKey))){

linkNode.beconnect= true;

linkNode.tBeconnect= true;

linkNode.tBeconnectX= node.x;

linkNode.tBeconnectY= node.y;

linkNode.tBeconnectID= node.ID;

linkNode.tBeconnectPrimaryKey= node.primaryKey;

linkNode.tBeconnectName= new String(node.name);

linkNode.tNode= node;

return;

}

if((x> linkNode.x- 20)&& (x< linkNode.x+ 50)&& (y> linkNode.y+ 16)&& (y< linkNode.y+ 32)&& (!node.primaryKey.equalsIgnoreCase(linkNode.primaryKey))){

linkNode.beconnect= true;

linkNode.mBeconnect= true;

linkNode.mBeconnectX= node.x;

linkNode.mBeconnectY= node.y;

linkNode.mBeconnectID= node.ID;

linkNode.mBeconnectPrimaryKey= node.primaryKey;

linkNode.mBeconnectName= new String(node.name);

linkNode.mNode= node;

return;

}

if((x> linkNode.x- 20)&& (x< linkNode.x+ 50)&& (y> linkNode.y+ 32)&& (y< linkNode.y+ 100)&& (!node.primaryKey.equalsIgnoreCase(linkNode.primaryKey))){

linkNode.beconnect= true;

linkNode.dBeconnect= true;

linkNode.dBeconnectX= node.x;

linkNode.dBeconnectY= node.y;

linkNode.dBeconnectID= node.ID;

linkNode.dBeconnectPrimaryKey= node.primaryKey;

linkNode.dBeconnectName= new String(node.name);

linkNode.dNode= node;

return;

}

linkNode= linkNode.next;

}

}

}

DrawArrow, 画图类

package OSI.OPE.OVU.MVU.OVU.PQE.nodeEdit;

import java.awt.\*;

import OSI.OPE.MVU.OVU.OVU.PQE.nodeEdit.C.DrawArrow;

public class DrawArrowVPS implements DrawArrow {

public void doDrawArrow(Graphics2D graphics2D, int x, int y, int connectX, int connectY) {

x+= 10;

connectX-= 10;

graphics2D.setStroke(new BasicStroke(2, BasicStroke.CAP\_SQUARE, BasicStroke.JOIN\_ROUND));

drawCurve(graphics2D, x, y, connectX, connectY, 6);

DrawSinLineVPS.drawHead(connectX- 8, connectY- 3, graphics2D);

}

//下面这个化三角箭头函数是JAVA2D awt demo

//罗瑶光先生进行了2次修改.

public void drawCurve(Graphics2D graphics2D, int x, int y, int connectX, int connectY, double scale) {

double distanceX= Math.abs(x- connectX);

double distanceY= Math.abs(y- connectY);

double signOfPointX= (x - connectX < 0)? 1: -1;

double signOfPointY= (y - connectY < 0)? 1: -1;

double averageOfDistanceY= (distanceX== 0)? 0: distanceY/ distanceX;

double signOfPointYWithaverageOfDistanceY= averageOfDistanceY\* signOfPointY;

double oldRegisterY= 0;

boolean firstTime= true;

double signOfPointYWithaverageOfDistanceYKernel= signOfPointYWithaverageOfDistanceY\* 8;

double averageOfDistanceYKernel= averageOfDistanceY\* 8/ 6;

double signOfPointYWithaverageOfDistanceYCount= signOfPointYWithaverageOfDistanceYKernel;

double averageOfDistanceYCount= averageOfDistanceYKernel;

if(1== signOfPointX) {

double registerY = y;

int endX= x;

for(int i = x; i < connectX- 16; i+= 8) {

registerY= y+ signOfPointYWithaverageOfDistanceYCount+ scale

\* Math.sin(averageOfDistanceYCount);

graphics2D.drawLine(i, true== firstTime? (int)registerY: (int)oldRegisterY

, i+ 8, (int)registerY);

oldRegisterY= registerY;

endX= i+ 8;

firstTime= false;

signOfPointYWithaverageOfDistanceYCount+= signOfPointYWithaverageOfDistanceYKernel;

averageOfDistanceYCount+= averageOfDistanceYKernel;

}

graphics2D.drawLine(endX, (int)registerY, connectX-8, connectY);

return;

}

if(-1== signOfPointX) {

for(int i= x; i> connectX+ 2; i-= 8) {

double registerY= y+ signOfPointYWithaverageOfDistanceYCount+ scale

\* Math.sin(averageOfDistanceYCount);

graphics2D.drawLine(i, true== firstTime? (int)registerY: (int)oldRegisterY

, i- 8, (int)registerY);

oldRegisterY= registerY;

firstTime= false;

signOfPointYWithaverageOfDistanceYCount+= signOfPointYWithaverageOfDistanceYKernel;

averageOfDistanceYCount+= averageOfDistanceYKernel;

}

}

}

}

DrawFlashSide, 画图类

package OSI.OPE.OVU.MVU.OVU.PQE.nodeEdit;

import java.awt.Color;

import java.awt.Graphics2D;

public class DrawFlashSide{

public static void drawFlashSide(Graphics2D graphics2D, int x, int y, int flash) {

if(0>= flash){

graphics2D.setColor(Color.blue);

DrawSinLineVPS.drawCosLine(x, y , graphics2D);

graphics2D.setColor(Color.pink);

DrawSinLineVPS.drawSinLine(x, y , graphics2D);

}

if(1== flash){

graphics2D.setColor(Color.ORANGE);

DrawSinLineVPS.drawCosLine(x, y , graphics2D);

graphics2D.setColor(Color.blue);

DrawSinLineVPS.drawSinLine(x, y , graphics2D);

}

if(2<= flash){

graphics2D.setColor(Color.ORANGE);

DrawSinLineVPS.drawCosLine(x, y , graphics2D);

graphics2D.setColor(Color.RED);

DrawSinLineVPS.drawSinLine(x, y , graphics2D);

}

drawConnect(graphics2D, x, y);

}

//for cell postfix

private static void drawConnect(Graphics2D graphics2D, int x, int y) {

graphics2D.drawOval(x + 10, y - 8, 4, 4);

graphics2D.drawOval(x - 8, y + 22, 4, 4);

graphics2D.drawOval(x + 2, y + 52, 4, 4);

graphics2D.drawOval(x + 62, y + 26, 4, 4);

}

public static void D\_FlashSide(Graphics2D graphics2D, int x, int y) {

graphics2D.setColor(new Color(240, 240, 240));

DrawSinLineVPS.drawCosLine(x, y , graphics2D);

graphics2D.setColor(new Color(240, 240, 240));

DrawSinLineVPS.drawSinLine(x, y , graphics2D);

drawConnect(graphics2D, x, y);

}

}

DrawSinLine, 画图类

package OSI.OPE.OVU.MVU.OVU.PQE.nodeEdit;

import java.awt.Graphics2D;

import OSI.OPE.OSQ.MVQ.OVU.PQE.theme.neroCell.DrawArrowHead;

import OSI.OPE.OSQ.MVQ.OVU.PQE.theme.neroCell.DrawNeroCellMask31;

import OSI.OPE.OSQ.MVQ.OVU.PQE.theme.neroCell.DrawNeroCellMask32;

public class DrawSinLineVPS{

public static void drawCosLine(int x0, int y0, Graphics2D graphics2D) {

for(int y= 0; y< DrawNeroCellMask31.neroShape.length; y++) {

for(int x= 0; x < DrawNeroCellMask31.neroShape[0].length; x++) {

if(1== DrawNeroCellMask31.neroShape[y][x]) {

graphics2D.drawLine(x + x0, y + y0, x + x0, y + y0);

}

}

}

}

public static void drawSinLine(int x0, int y0, Graphics2D graphics2D) {

for(int y= 0; y < DrawNeroCellMask32.neroShape.length; y++) {

for(int x= 0; x < DrawNeroCellMask32.neroShape[0].length; x++) {

if(1== DrawNeroCellMask32.neroShape[y][x]) {

graphics2D.drawLine(x + x0, y + y0, x + x0, y + y0);

}

}

}

}

public static void drawHead(int x0, int y0, Graphics2D graphics2D) {

for(int y= 0; y < DrawArrowHead.neroShape.length; y++) {

for(int x= 0; x < DrawArrowHead.neroShape[0].length; x++) {

if(1== DrawArrowHead.neroShape[y][x]) {

graphics2D.drawLine(x + x0, y + y0, x + x0, y + y0);

}

}

}

}

}

DynamicLineUpdater, 动态画图类

//最新版本 这里用不到，先注释。

package OSI.OPE.OVU.MVU.OVU.PQE.nodeEdit;

import OSI.OPE.MVU.OVU.OVU.PQE.nodeEdit.C.DynamicLine\_U;

public class DynamicLineU\_VPS implements DynamicLine\_U{

public void exec(LinkNode first,LinkNode node){

LinkNode linkNode= first;

while(null!= linkNode) {

if(linkNode.primaryKey.equalsIgnoreCase(node.tBeconnectPrimaryKey)){

// node.tBeconnectX= linkNode.x;

// node.tBeconnectY= linkNode.y;

}

if(linkNode.tBeconnectPrimaryKey.equalsIgnoreCase(node.primaryKey)){

// linkNode.tBeconnectX= node.x;

// linkNode.tBeconnectY= node.y;

}

if(linkNode.primaryKey.equalsIgnoreCase(node.mBeconnectPrimaryKey)){

// node.mBeconnectX= linkNode.x;

// node.mBeconnectY= linkNode.y;

}

if(linkNode.mBeconnectPrimaryKey.equalsIgnoreCase(node.primaryKey)){

// linkNode.mBeconnectX= node.x;

// linkNode.mBeconnectY= node.y;

}

if(linkNode.primaryKey.equalsIgnoreCase(node.dBeconnectPrimaryKey)){

// node.dBeconnectX= linkNode.x;

// node.dBeconnectY= linkNode.y;

}

if(linkNode.dBeconnectPrimaryKey.equalsIgnoreCase(node.primaryKey)){

// linkNode.dBeconnectX= node.x;

// linkNode.dBeconnectY= node.y;

}

linkNode= linkNode.next;

}

linkNode= null;

}

}

LinkList, 链表类

package OSI.OPE.OVU.MVU.OVU.PQE.nodeEdit;

import java.io.IOException;

import OSI.OPE.OEQ.MCQ.OVU.PQE.osgi.\*;

public class LinkList{

int index= 0;

String key;

public LinkNode first;

public int sum\_of\_nude= 0;

public LinkList(){}

public boolean search(LinkNode linkNode, String key){

if(null== linkNode){

return false;

}

if(linkNode.name.equals(key)){

return true;

}

while(null!= linkNode.next){

linkNode= linkNode.next;

if(linkNode.name.equals(key)){

while(null!= linkNode.pre){

linkNode=linkNode.pre;

}

return true;

}

}

return false;

}

public LinkNode addNodeOnlyWithFace(LinkNode linkNode, NodeOSGI nOSGI)

throws CloneNotSupportedException, InstantiationException

, IllegalAccessException, IOException {

NodeOSGI currentOSGI= nOSGI;

while(null!= currentOSGI && null!= currentOSGI.pre){

currentOSGI= currentOSGI.pre;

}

if(null!= linkNode){

while(null!= currentOSGI){

if(currentOSGI.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_SQ\_VPC\_PCS.equals(linkNode.name)){

linkNode.thisFace= currentOSGI.currentFace.AOP\_MVE\_CSI\_DUQ();

sum\_of\_nude++;

index++;

return linkNode;

}

currentOSGI= currentOSGI.next;

}

}

index++;

sum\_of\_nude++;

return linkNode;

}

public LinkNode addNode(LinkNode linkNode, String treeNodeName,int x,int y,NodeOSGI nOSGI ) throws CloneNotSupportedException, InstantiationException, IllegalAccessException

, IOException {

NodeOSGI currentOSGI= nOSGI;

while(null!= currentOSGI && null!= currentOSGI.pre){

currentOSGI= currentOSGI.pre;

}

if(null== linkNode){

while(null!= currentOSGI){

if(currentOSGI.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_SQ\_VPC\_PCS.equals(treeNodeName)){

linkNode= new LinkNode();

linkNode.I\_Name(treeNodeName, x, y, ++index);

linkNode.thisFace= currentOSGI.currentFace.AOP\_MVE\_CSI\_DUQ();

linkNode.next= null;

linkNode.pre= null;

sum\_of\_nude++;

return linkNode;

}

currentOSGI= currentOSGI.next;

}

}

while(null!= linkNode&& null!= linkNode.next){

linkNode= linkNode.next;

}

while(null!= currentOSGI){

if(currentOSGI.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_SQ\_VPC\_PCS.equals(treeNodeName)){

//linkNode=new linkNode();

LinkNode node= new LinkNode();

node.I\_Name(treeNodeName, x, y, ++index);

node.thisFace= currentOSGI.currentFace.AOP\_MVE\_CSI\_DUQ();

node.pre= linkNode;

linkNode.next= node;

sum\_of\_nude ++;

return linkNode;

}

currentOSGI = currentOSGI.next;

}

while(null!= linkNode&& null!= linkNode.pre){

linkNode = linkNode.pre;

}

sum\_of\_nude++;

return linkNode;

}

public LinkNode deletNode(LinkNode linkNode, String name, int ID, String primaryKey){

if(null!= linkNode){

if(linkNode.name.equals(name)&& linkNode.ID== ID

&& linkNode.primaryKey.equalsIgnoreCase(primaryKey)){

if(null!= linkNode.next){

linkNode= linkNode.next;

linkNode.pre= null;

return linkNode;

}

if(null== linkNode.next){

linkNode= null;

return linkNode;

}

}

while(null!= linkNode.next){

linkNode = linkNode.next;

if(linkNode.name.equals(name)&& linkNode.ID== ID

&& linkNode.primaryKey.equalsIgnoreCase(primaryKey)){

if(null!= linkNode.next){

@SuppressWarnings("unused")

LinkNode node= linkNode;

linkNode= linkNode.next;

linkNode.pre= linkNode.pre.pre;

linkNode.pre.next= linkNode;

node= null;

linkNode= Sort.sort(linkNode);

return linkNode;

}

if(null== linkNode.next){

linkNode= linkNode.pre;

linkNode.next= null;

linkNode= Sort.sort(linkNode);

return linkNode;

}

}

}

}

return linkNode;

}

}

LinkNode, 链表类

package OSI.OPE.OVU.MVU.OVU.PQE.nodeEdit;

import OSI.OPE.OEQ.MCQ.OVU.PQE.osgi.OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI;

public class LinkNode extends Thread{

public String nodeConfiguration= "";

public String primaryKey= "";

public int flash= 0;

public Boolean beconnect;

public Boolean leftChoose;

public Boolean rightChoose;

public Boolean tBeconnect;

public int tBeconnectX;

public int tBeconnectY;

public String tBeconnectName;

public String tBeconnectPrimaryKey= "";

public int tBeconnectID;

public LinkNode tNode;

public Boolean mBeconnect;

public int mBeconnectX;

public int mBeconnectY;

public String mBeconnectName;

public String mBeconnectPrimaryKey= "";

public int mBeconnectID;

public LinkNode mNode;

public Boolean dBeconnect;

public int dBeconnectX;

public int dBeconnectY;

public String dBeconnectName;

public String dBeconnectPrimaryKey= "";

public int dBeconnectID;

public LinkNode dNode;

public String name;

public LinkNode pre;

public LinkNode next;

public boolean actionNodeLeft= false;

public boolean actionNodeRight= false;

public int ID;

public int x, y;

public int oldx, oldy;

public OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI thisFace;

public LinkNode(){}

public void I\_Name(String SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_SQ\_VPC\_PCS, int x1,int y1,int id1){

beconnect= false;

rightChoose= false;

leftChoose= false;

tBeconnect= false;

mBeconnect= false;

dBeconnect= false;

x= x1;

y= y1;

name= new String(SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_SQ\_VPC\_PCS);

ID= id1;

tBeconnectPrimaryKey= "";

mBeconnectPrimaryKey= "";

dBeconnectPrimaryKey= "";

tBeconnectID= 0;

mBeconnectID= 0;

dBeconnectID= 0;

primaryKey=""+ Math.random();

}

public void I\_xy(int x1,int y1){

x= x1;

y= y1;

}

public void I\_choose(Boolean choose){

leftChoose= choose;

}

}

UpdateRelatedLine, 画图类

package OSI.OPE.OVU.MVU.OVU.PQE.nodeEdit;

import OSI.OPE.MVU.OVU.OVU.PQE.nodeEdit.C.U\_RelatedLine;

public class U\_RelatedLineVPS implements U\_RelatedLine{

public void doUpdateRelatedLine(LinkNode first, String currentNodeName

, int currentNodeID, String currentNodePrimaryKey){

first = Sort.sort(first);

while(null!= first) {

if(first.tBeconnect&& first.tBeconnectName.equals(currentNodeName)

&& first.tBeconnectID== currentNodeID

&& first.tBeconnectPrimaryKey.equalsIgnoreCase(currentNodePrimaryKey)){

first.tBeconnect= false;

}

if(first.mBeconnect&& first.mBeconnectName.equals(currentNodeName)

&& first.mBeconnectID== currentNodeID

&& first.mBeconnectPrimaryKey.equalsIgnoreCase(currentNodePrimaryKey)){

first.mBeconnect= false;

}

if(first.dBeconnect&& first.dBeconnectName.equals(currentNodeName)

&& first.dBeconnectID== currentNodeID

&& first.dBeconnectPrimaryKey.equalsIgnoreCase(currentNodePrimaryKey)){

first.dBeconnect= false;

}

if(null== first.next) {

break;

}

first= first.next;

}

}

}

NodeInfo, 链表类

package OSI.OPE.MSQ.OVU.PQE.nodeInfo;

import java.awt.\*;

import javax.swing.\*;

import javax.swing.ImageIcon;

import javax.swing.JScrollPane;

import SVQ.stable.StableAnnotation;

@SuppressWarnings({StableAnnotation.TAG\_UNCHECKED, StableAnnotation.TAG\_RAW\_TYPES})

public class NodeInfo extends JScrollPane {

private static final long serialVersionUID= 866589699634559456L;

String[] countryStrings= {"china", "ca", "denmark", "fr", "genmany"

, "india", "norway", "uk", "us"};

private ImageIcon[] images= {

new ImageIcon(this.getClass().getResource("china.gif")),

new ImageIcon(this.getClass().getResource("us.gif")),

new ImageIcon(this.getClass().getResource("denmark.gif")),

new ImageIcon(this.getClass().getResource("fr.gif")),

new ImageIcon(this.getClass().getResource("germany.gif")),

new ImageIcon(this.getClass().getResource("india.gif")),

new ImageIcon(this.getClass().getResource("norway.gif")),

new ImageIcon(this.getClass().getResource("uk.gif")),

new ImageIcon(this.getClass().getResource("ca.gif")) };

public NodeInfo() {

Integer[] intArray= new Integer[countryStrings.length];

JComboBox countryList= new JComboBox(intArray);

countryList.setMaximumRowCount(5);

for (int i= 0; i< countryStrings.length; i++) {

intArray[i]= new Integer(i);

if (images[i]!= null) {

images[i].setImage(images[i].getImage().getScaledInstance

(50, 50, Image.SCALE\_DEFAULT));

images[i].setDescription(countryStrings[i]);

}

}

countryList.removeAllItems();

for(int i=0; i<images.length; i++) {

countryList.addItem(images[i]);

}

this.setViewportView(countryList);

this.validate();

}

}

NodeProject, 链表类

package OSI.OPE.MSQ.OVU.PQE.nodeProject;

import java.awt.Image;

import java.awt.event.ComponentEvent;

import java.awt.event.ComponentListener;

import java.awt.image.BufferedImage;

import javax.swing.ImageIcon;

import javax.swing.JLabel;

import javax.swing.JPanel;

public class NodeProject extends JPanel implements ComponentListener {

private static final long serialVersionUID= 866589699634559456L;

private ImageIcon images;

public Image newImg;

public BufferedImage bufferedImage;

public Image img;

public int width;

public int height;

public JLabel jlabel;

public NodeProject() {

images= new ImageIcon(this.getClass().getResource("etl.png"));

jlabel = new JLabel();

jlabel.setIcon(images);

this.add(jlabel);

this.validate();

this.addComponentListener(this);

}

@Override

public void componentResized(ComponentEvent e) {

img = images.getImage().getScaledInstance(this.width<= 0? 100: this.width

, this.height<= 0? 100: this.height, java.awt.Image.SCALE\_SMOOTH);

jlabel.setIcon(new ImageIcon(img));

jlabel.validate();

this.validate();

}

@Override

public void componentMoved(ComponentEvent e) {

}

@Override

public void componentShown(ComponentEvent e) {

}

@Override

public void componentHidden(ComponentEvent e) {

}

}

MyPanel, 画图类

CacuString, 字符处理类

NodeShow, 节点类

LinkOSGI, 接口类

NodeOSGI, 接口类

ObjectInterface, 插件接口类

//见： OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI 元基肽化函数。

package OSI.OPE.OEQ.MCQ.OVU.PQE.osgi;

import java.awt.Image;

import java.io.FileNotFoundException;

import java.io.IOException;

import java.util.HashMap;

import java.util.List;

import java.util.Map;

import javax.swing.ImageIcon;

import javax.swing.JTextPane;

import ME.APM.VSQ.App;

import OEI.ME.analysis.E.CogsBinaryForest\_AE;

import OSI.OPE.AOPM.VECS.IDUQ.OVU.PQE.flash.ThisCanvas;

import javax.sound.sampled.UnsupportedAudioFileException;

public class OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI implements Cloneable{

public Object[][] tableData\_old;

public JTextPane text;

public App u;

public CogsBinaryForest\_AE \_A;

public Map<String, String> pos;

public String pageName= "";

//

public ImageIcon thisIcon;

public Image thisImage;

public String SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_SQ\_VPC\_PCS;

public String AMV\_MVS\_VSQ;

//public String AMV\_MVS\_VSQ;

public String nodeConfiguration;

public boolean isConfiged;

public boolean isExecuted;

public HashMap<String, String> nodeConfigurationMap;

public OSU\_AVQ\_ASQ\_AOI\_AOD\_AOU\_AOQ\_VES SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_AOI\_AOD\_AOU\_AOQ\_VES;

public OSU\_AVQ\_ASQ\_OPE\_OPC\_ECI SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_OPE\_OPC\_ECI;

public OSU\_AVQ\_ASQ\_AVQ\_ASQ\_OVQ\_OSQ\_VSQ SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_AVQ\_ASQ\_OVQ\_OSQ\_VSQ;

public OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI;

public boolean showed= false;

public OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI AOP\_MVE\_CSI\_DUQ() throws CloneNotSupportedException

, IOException {

return SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI; //tinshell因为走一键执行，没有new到子类，而子类的button又是新的panel执行，于是产生了非遗传隔层，准备解决。

}

public OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI(){

thisIcon= null;

thisImage= null;

SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_SQ\_VPC\_PCS= null;

SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_AOI\_AOD\_AOU\_AOQ\_VES= new OSU\_AVQ\_ASQ\_AOI\_AOD\_AOU\_AOQ\_VES();

SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_OPE\_OPC\_ECI= new OSU\_AVQ\_ASQ\_OPE\_OPC\_ECI();

SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_AVQ\_ASQ\_OVQ\_OSQ\_VSQ= new OSU\_AVQ\_ASQ\_AVQ\_ASQ\_OVQ\_OSQ\_VSQ();

}

public void MEI\_MSU(JTextPane rightBotJTextPane, ThisCanvas canvas) throws IOException{

}

public void MEI\_MSU(JTextPane rightBotJTextPane) throws IOException{

}

//图片识别

public void AOP\_VEC\_SQ(JTextPane rightBotJTextPane, String input) throws IOException{

}

public void memoryRecovery(JTextPane rightBotJTextPane) throws IOException{

}

public void OPE\_E(JTextPane rightBotJTextPane) throws FileNotFoundException

, IOException, UnsupportedAudioFileException, InterruptedException, CloneNotSupportedException{

}

public void AVQ\_ASQ\_OVQ\_OSQ\_VSQ(JTextPane rightBotJTextPane) throws Exception{

}

public void register(Object[][] tableData\_old, JTextPane text, App u, CogsBinaryForest\_AE \_A, Map<String, String> pos) {

// TODO Auto-generated method stub

this.u= u;

this.\_A= \_A;

this.pos= pos;

this.text= text;

this.tableData\_old= tableData\_old;

}

public void IMP\_PSU() throws IOException{

// TODO Auto-generated method stub

}

public void AOP\_VEC\_SQ\_PDE(JTextPane rightBotJTextPane, List<String> pathRankList) throws IOException {

// TODO Auto-generated method stub

}

}

ObjectPanel, 插件接口类

package OSI.OPE.OEQ.MCQ.OVU.PQE.osgi;

import java.awt.Panel;

import java.awt.ScrollPane;

import javax.swing.JFrame;

public class OSU\_AVQ\_ASQ\_AOI\_AOD\_AOU\_AOQ\_VES extends JFrame implements Cloneable{

private static final long serialVersionUID= 1L;

public boolean close= false;

public OSU\_AVQ\_ASQ\_AOI\_AOD\_AOU\_AOQ\_VES objectPanel;

public ScrollPane scrollPane;

public String textPane;

public Panel panel;

public int h;

public int w;

protected OSU\_AVQ\_ASQ\_AOI\_AOD\_AOU\_AOQ\_VES(){

}

public void config() {

}

public OSU\_AVQ\_ASQ\_AOI\_AOD\_AOU\_AOQ\_VES AOP\_MVE\_CSI\_DUQ() {

return objectPanel;

}

}

ObjectRun, 插件接口类

package OSI.OPE.OEQ.MCQ.OVU.PQE.osgi;

import java.util.Map;

import javax.sound.sampled.AudioInputStream;

import javax.swing.JPanel;

import javax.swing.JTable;

import OSI.OSU.SI.ASQ.OSD.AVI.AEI.ACI.ASI.OVI.OEI.OCI.OSI.PVI.PEI.PCI.PSI.tinShell.TinMap;

import PEU.P.movie.LYGFileIO;

public class OSU\_AVQ\_ASQ\_OPE\_OPC\_ECI extends JPanel implements Cloneable{

private static final long serialVersionUID = 1L;

public OSU\_AVQ\_ASQ\_OPE\_OPC\_ECI addr;

public JTable toptablein;

public Map<String, Integer> topMapIn;

public int[][] topgin;

public String topsin;

public AudioInputStream topaisin;

public LYGFileIO toplygin;

public TinMap topOutput;//准备做文章流计算的内存 罗瑶光20211008

public JTable midtablein;

public int[][] midgin;

public AudioInputStream midaisin;

public LYGFileIO midlygin;

public TinMap midOutput;//准备做文章流计算的内存 罗瑶光20211008

public JTable downtablein;

public int[][] downgin;

public AudioInputStream downaisin;

public LYGFileIO downlygin;

public TinMap downOutput;//准备做文章流计算的内存 罗瑶光20211008

public OSU\_AVQ\_ASQ\_OPE\_OPC\_ECI(){

}

@Override

public OSU\_AVQ\_ASQ\_OPE\_OPC\_ECI clone() {

return addr;

}

}

ObjectView, 插件接口类

package OSI.OPE.OEQ.MCQ.OVU.PQE.osgi;

import java.awt.Panel;

import java.awt.ScrollPane;

import java.awt.image.BufferedImage;

//import java.util.HashMap;

import java.util.Map;

import javax.sound.sampled.AudioInputStream;

import javax.swing.JFrame;

import javax.swing.JTable;

import OSI.OSU.SI.ASQ.OSD.AVI.AEI.ACI.ASI.OVI.OEI.OCI.OSI.PVI.PEI.PCI.PSI.tinShell.TinMap;

import PEU.P.movie.LYGFileIO;

public class OSU\_AVQ\_ASQ\_AVQ\_ASQ\_OVQ\_OSQ\_VSQ extends JFrame implements Cloneable{

private static final long serialVersionUID = 1L;

public OSU\_AVQ\_ASQ\_AVQ\_ASQ\_OVQ\_OSQ\_VSQ objectView;

public ScrollPane scrollPane;

public Panel panel;

public int h;

public int w;

public boolean close= false;

public JTable tableout;

public Map<String, Integer> topMapOut;

public int[][] gout;

public AudioInputStream aisout;

public AudioInputStream aiscurout;

public LYGFileIO lygout;

public BufferedImage imageout;

public TinMap outputOut;//准备做文章流计算的内存 罗瑶光20211008

public OSU\_AVQ\_ASQ\_AVQ\_ASQ\_OVQ\_OSQ\_VSQ() {

}

public void view() throws Exception{

}

public OSU\_AVQ\_ASQ\_AVQ\_ASQ\_OVQ\_OSQ\_VSQ clone() {

return objectView;

}

}

DrawArrowHead, 画图类

package OSI.OPE.OSQ.MVQ.OVU.PQE.theme.neroCell;

public class DrawArrowHead{

public static final int[][] neroShape = {

{0,0,1,0,0,0,0,0,0,0},

{0,0,1,1,1,1,0,0,0,0},

{0,0,1,1,1,1,1,1,1,0},

{1,1,1,1,1,1,1,1,1,1},

{0,0,1,1,1,1,1,1,1,0},

{0,0,1,1,1,1,0,0,0,0},

{0,0,1,0,0,0,0,0,0,0},

};

}

DrawNeroCellMask31, 画图类

package OSI.OPE.OSQ.MVQ.OVU.PQE.theme.neroCell;

public class DrawNeroCellMask31{

public static final int[][] neroShape = {

{0,0,0,0,0,0,1,1,1,1,0,0,0,0,0,0,0,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0},

{0,0,0,0,0,0,0,1,1,1,0,0,0,0,0,0,0,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0},

{0,0,0,0,0,0,0,0,0,1,1,0,0,0,0,0,0,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0},

{0,0,0,0,0,0,0,0,0,0,1,1,0,0,0,0,0,0,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0},

{0,0,0,0,0,0,0,0,0,0,0,1,0,0,0,0,0,0,0,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0},

{0,0,0,0,0,0,0,0,0,0,0,1,1,0,0,0,0,0,0,0,0,1,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0},

{0,0,0,0,0,0,0,0,0,0,0,0,1,1,0,0,0,0,0,0,0,0,0,0,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0},

{0,0,0,0,0,0,0,0,0,0,0,0,0,1,0,0,0,0,0,0,0,0,0,0,0,0,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1},

{0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,0,0,0,0,0,0,0,0,0,0,0,0,1,1,1,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1},

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{0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,0,0,0,0,0,0},

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{0,0,0,0,0,0,0,0,0,0,0,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,1,1,1,1,1,1,1,1,0,1,1,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0},

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{0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0},

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{0,0,0,0,0,0,0,0,0,0,0,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0},

{0,0,0,0,0,0,0,0,0,0,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0}, };

}

DrawNeroCellMask32, 画图类

package OSI.OPE.OSQ.MVQ.OVU.PQE.theme.neroCell;

public class DrawNeroCellMask32{

public static final int[][] neroShape = {

{0,0,0,0,0,1,1,1,0,0,0,0,0,0,0,0,0,1,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0},

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{0,0,0,0,0,0,0,0,1,0,0,0,0,0,0,0,0,0,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0},

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{0,0,0,0,0,0,0,0,0,0,0,1,0,0,0,0,0,0,0,0,0,0,0,0,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1},

{0,0,0,0,0,0,0,0,0,0,0,0,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,0},

{0,0,0,0,0,0,0,0,0,0,0,0,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,1,1,1,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,0,0},

{0,0,0,0,0,0,0,0,0,0,0,0,0,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,1,1,1,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,1,0,0,0},

{0,0,0,0,0,0,0,0,0,0,0,0,0,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,0,0,0,0,0},

{0,0,0,0,0,0,0,0,0,0,0,0,0,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0},

{0,0,0,0,0,0,0,0,0,0,0,0,0,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,0,0,0,0,0,0,0,0,0},

{0,0,0,0,0,0,0,0,0,0,0,0,0,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0},

{0,0,0,0,0,0,0,0,0,0,0,0,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0},

{0,0,0,0,0,0,0,0,0,0,0,0,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0},

{0,0,0,0,0,0,0,0,0,0,0,0,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0},

{0,0,0,0,0,0,0,0,0,0,0,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1},

{0,0,0,0,0,0,0,0,0,0,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,1,1},

{1,0,0,0,0,0,1,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,1,0,0,0},

{1,1,1,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,0,0,0,0,0,0},

{0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,0,0,0,0,0,0,0,0},

{0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,0,0,0,0,0,0,0,0,0},

{0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,0,0,0,0,0,0,0,0,0,0},

{0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,0,0,0,0,0,0,0,0,0,0,0},

{0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,0,0,0,0,0,0,0,0,0,0,0},

{0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,0,0,0,0,0,0,0,0,0,0,0},

{0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,0,0,0,0,0,0,0,0,0,0,0,0},

{1,1,1,1,1,1,1,1,1,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,0,0,0,0,0,0,0,0,0,0,0,0},

{1,1,0,0,0,0,0,0,0,0,0,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,0,0,0,0,0,0,0,0,0,0,0,0},

{1,0,0,0,0,0,0,0,0,0,0,0,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,0,0,0,0,0,0,0,0,0,0,0},

{0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,0,0,0,0,0,0,0,0,0,0},

{0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,0,0,0,0,0,0,0,0,0,0},

{0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,0,0,0,0,0,0,0,0,0},

{0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,0,0,0,0,0,0,0,0},

{0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,0,0,0,0,0,0,0},

{0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,0,0,0,0,0,0},

{0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,0,0,0,0,0},

{0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,0,0,0},

{0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,1,1},

{0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1},

{0,0,0,0,0,0,0,0,0,0,0,0,0,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1},

{0,0,0,0,0,0,0,0,0,0,0,0,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0},

{0,0,0,0,0,0,0,0,0,0,0,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0},

{0,0,0,0,0,0,0,0,0,0,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0},

{0,0,0,0,0,0,0,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0},

{0,0,0,0,0,0,0,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,1,1,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0},

{0,0,0,0,0,0,0,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,1,1,1,0,0,0,0,0,0,0,0},

{0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,1,0,0,0,0,0},

{0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,0,0,0},

{0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,0},

{0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1},

{0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1},

{0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0},

{0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0},

{0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0},

{0,0,0,0,0,0,0,0,0,0,0,0,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0},

{0,0,0,0,0,0,0,0,0,0,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0}, };

}

UnicornJSplitPane, 组件类

作者对jdk 开源插件进行2次修改。不在个人著作申请范围内。可自行extends设计组件皮肤。

UnicornSplitPaneUI, 组件类

作者对jdk 开源插件进行2次修改。不在个人著作申请范围内。可自行extends设计组件皮肤。

UnicornTreeCellRenderer, 组件类

作者对jdk 开源插件进行2次修改。不在个人著作申请范围内。可自行extends设计组件皮肤。

UnicornTreeUI, 组件类

作者对jdk 开源插件进行2次修改。不在个人著作申请范围内。可自行extends设计组件皮肤。

DeleteFile, 文件类

package OSI.OPE.OED.PVD.SOI.SMQ.delete;

import javax.swing.JTextPane;

import OSI.OPE.AOPM.VECS.IDUQ.OVU.PQE.flash.ThisCanvas;

import OSI.OPE.OVU.MVU.OVU.PQE.nodeEdit.LinkList;

import OSI.OPE.OVU.MVU.OVU.PQE.nodeEdit.LinkNode;

public class D\_File{

public void delete(JTextPane rightBotJTextPane, LinkNode first, LinkList thislist, ThisCanvas canvas) {

//见GUISample的 ‘删除文档’逻辑

}

}

arffTransferNodeInterface, 插件类

package OSI.OSU.MSQ.ASU.OSU.PSU.MSU.AVQ.ASQ.OPE.arffTransfer;

import java.awt.\*;

import java.io.FileNotFoundException;

import java.io.IOException;

import javax.swing.\*;

import OSI.OPE.AOPM.VECS.IDUQ.OVU.PQE.flash.ThisCanvas;

import OSI.OPE.OEQ.MCQ.OVU.PQE.osgi.\*;

public class ArffTransferNodeInterface extends OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI{

public ArffTransferNodeInterface() throws IOException{

thisIcon= new ImageIcon(this.getClass().getResource("1.jpg"));

SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_SQ\_VPC\_PCS= new String("arffTransfer");

AMV\_MVS\_VSQ= new String("BI");

Image img= ((ImageIcon) thisIcon).getImage();

Image newimg= img.getScaledInstance(30, 30, java.awt.Image.SCALE\_SMOOTH);

thisImage=img.getScaledInstance(30, 30, java.awt.Image.SCALE\_SMOOTH);

thisIcon= new ImageIcon(newimg);

}

public void MEI\_MSU(JTextPane jTextPane, ThisCanvas canvas) throws IOException{

SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_AVQ\_ASQ\_OVQ\_OSQ\_VSQ=new ArffTransferOSU\_MSQ\_AVQ\_ASQ\_OVQ\_OSQ\_VSQ();

SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_OPE\_OPC\_ECI=new ArffTransferOSU\_MSQ\_OPE\_OPC\_ECI();

SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_AOI\_AOD\_AOU\_AOQ\_VES

=new ArffTransferOSU\_MSQ\_AOI\_AOD\_AOU\_AOQ\_VES((ArffTransferOSU\_MSQ\_OPE\_OPC\_ECI) SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_OPE\_OPC\_ECI);

SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_AOI\_AOD\_AOU\_AOQ\_VES.config();

showed=false;

}

public void OPE\_E(JTextPane jTextPane) throws FileNotFoundException, IOException{

((ArffTransferOSU\_MSQ\_OPE\_OPC\_ECI) SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_OPE\_OPC\_ECI)

.run((ArffTransferOSU\_MSQ\_AVQ\_ASQ\_OVQ\_OSQ\_VSQ) SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_AVQ\_ASQ\_OVQ\_OSQ\_VSQ);

}

public void AVQ\_ASQ\_OVQ\_OSQ\_VSQ(JTextPane jTextPane) throws Exception{

SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_AVQ\_ASQ\_OVQ\_OSQ\_VSQ.view();

showed=true;

}

public OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI AOP\_MVE\_CSI\_DUQ() throws CloneNotSupportedException, IOException {

SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI = new ArffTransferNodeInterface();

return SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI;

}

}

arffTransferNodePanel, 插件类

package OSI.OSU.MSQ.ASU.OSU.PSU.MSU.AVQ.ASQ.OPE.arffTransfer;

import java.awt.event.ActionEvent;

import java.awt.event.ActionListener;

import javax.swing.JButton;

import OSI.OPE.OEQ.MCQ.OVU.PQE.osgi.\*;

import java.awt.FileDialog;

import java.awt.Frame;

import java.awt.Panel;

import java.awt.ScrollPane;

import java.awt.Color;

public class ArffTransferOSU\_MSQ\_AOI\_AOD\_AOU\_AOQ\_VES extends OSU\_AVQ\_ASQ\_AOI\_AOD\_AOU\_AOQ\_VES{

private static final long serialVersionUID= 1L;

private FileDialog filedialog;

public ArffTransferOSU\_MSQ\_AOI\_AOD\_AOU\_AOQ\_VES(final ArffTransferOSU\_MSQ\_OPE\_OPC\_ECI

SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_OPE\_OPC\_ECI){

setLayout(null);

scrollPane= new ScrollPane();

add(scrollPane);

panel= new Panel();

panel.setLayout(null);

panel.setBackground(Color.white);

JButton button= new JButton("Finish");

button.setBounds(0, 0, 100, 30);

button.addActionListener(new ActionListener(){

public void actionPerformed(ActionEvent e){

System.out.println(e.getSource());

close= true;

SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_OPE\_OPC\_ECI.value= 1;

}

});

panel.add(button);

JButton readfile= new JButton("Write File");

readfile.setBounds(0, 35, 100, 65);

readfile.addActionListener(new ActionListener(){

@Override

public void actionPerformed(ActionEvent arg0) {

filedialog= new FileDialog(new Frame(), "filechoose", FileDialog.LOAD);

filedialog.setVisible(true);

SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_OPE\_OPC\_ECI.filepath= filedialog.getDirectory()+ filedialog.getFile();

System.out.println(SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_OPE\_OPC\_ECI.filepath);

}

});

panel.add(readfile);

scrollPane.add(panel);

close= false;

}

public void config(){

System.out.println(StableShellETL.SHELL\_ETL\_DID\_CONFIG);

}

}

arffTransferNodeRun, 插件类

package OSI.OSU.MSQ.ASU.OSU.PSU.MSU.AVQ.ASQ.OPE.arffTransfer;

import java.io.BufferedWriter;

import java.io.File;

import java.io.FileOutputStream;

import java.io.IOException;

import java.io.OutputStreamWriter;

import OSI.OPE.OEQ.MCQ.OVU.PQE.osgi.\*;

public class ArffTransferOSU\_MSQ\_OPE\_OPC\_ECI extends OSU\_AVQ\_ASQ\_OPE\_OPC\_ECI{

private static final long serialVersionUID = 1L;

public int value = 0;

public String filepath;

public ArffTransferOSU\_MSQ\_OPE\_OPC\_ECI( ) throws IOException{

}

public void run(final ArffTransferOSU\_MSQ\_AVQ\_ASQ\_OVQ\_OSQ\_VSQ SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_AVQ\_ASQ\_OVQ\_OSQ\_VSQ)

throws IOException{

System.out.println("runed" + value);

System.out.println(toptablein.getModel().getValueAt(0, 0));

System.out.println("runed" + value);

File file = new File(filepath);

file.createNewFile();

BufferedWriter wr = new BufferedWriter(new OutputStreamWriter(new FileOutputStream(file),"GBK"));

ArffLink link=new ArffLink();

ArffNode node=new ArffNode();

wr.write("@relation "+"'ARFF'"+"\n");

for(int i=0;i<toptablein.getModel().getColumnCount();i++){

if(toptablein.getModel().getColumnName(i).contains("String")){

wr.write("@attribute " + "'" + toptablein.getModel().getColumnName(i) + i + "'" + " {");

for(int j=0; j<toptablein.getModel().getRowCount(); j++){

Object obj = toptablein.getModel().getValueAt(j, i);

if(obj != null) {

if(!link.search(node, obj.toString())){

link.addNode(node, obj.toString());

wr.write("'"+obj.toString()+"'");

wr.write(",");

}

}

}

wr.write("}\n");

}

if(toptablein.getModel().getColumnName(i).contains("Number")){

wr.write("@attribute "+"'"+toptablein.getModel().getColumnName(i)+i+"'"+" real");

wr.write("\n");

}

if(toptablein.getModel().getColumnName(i).contains("Date")){

wr.write("@attribute "+"'"+toptablein.getModel().getColumnName(i)+i+"'"+" string");

wr.write("\n");

}

}

wr.write("@data\n");

for(int i=0; i<toptablein.getModel().getRowCount(); i++){

for(int j=0; j<toptablein.getModel().getColumnCount();j++){

if(toptablein.getModel().getColumnName(j).contains("String")

||toptablein.getModel().getColumnName(j).contains("Date")){

Object obj = toptablein.getModel().getValueAt(i, j);

if(obj != null) {

wr.write("'"+obj.toString()+"'");

wr.write(",");

}

}else{

Object obj = toptablein.getModel().getValueAt(i, j);

if(obj != null) {

wr.write(obj.toString());

wr.write(",");

}

}

}

wr.write("\n");

}

System.out.println("===完成省份：");

System.out.println("全部完成。。。。。。。。");

wr.flush();

wr.close();

SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_AVQ\_ASQ\_OVQ\_OSQ\_VSQ.tableout=toptablein;

//SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_AVQ\_ASQ\_OVQ\_OSQ\_VSQ.out=new JTable(content,spec);

}

}

arffTransferNodeView, 插件类

package OSI.OSU.MSQ.ASU.OSU.PSU.MSU.AVQ.ASQ.OPE.arffTransfer;

import java.awt.Color;

import java.awt.Dimension;

import java.awt.Panel;

import java.awt.ScrollPane;

import javax.swing.JButton;

import javax.swing.JScrollPane;

import OSI.OPE.OEQ.MCQ.OVU.PQE.osgi.\*;

public class ArffTransferOSU\_MSQ\_AVQ\_ASQ\_OVQ\_OSQ\_VSQ extends OSU\_AVQ\_ASQ\_AVQ\_ASQ\_OVQ\_OSQ\_VSQ

{

private static final long serialVersionUID = 1L;

public JButton button;

public ArffTransferOSU\_MSQ\_AVQ\_ASQ\_OVQ\_OSQ\_VSQ()

{

}

public void view()

{

scrollPane = new ScrollPane();

panel=new Panel();

panel.setBackground(Color.yellow);

//

JScrollPane j=new JScrollPane();

tableout.setBackground(new Color(240, 128, 128));

tableout.setPreferredSize(new Dimension(200,200));

tableout.setVisible(true);

j.setViewportView(tableout);

//

panel.add(j);

scrollPane.add(panel);

add(scrollPane);

close=false;

}

@Override

public OSU\_AVQ\_ASQ\_AVQ\_ASQ\_OVQ\_OSQ\_VSQ clone() {

objectView = (OSU\_AVQ\_ASQ\_AVQ\_ASQ\_OVQ\_OSQ\_VSQ)super.clone();

return objectView;

}

}

arffNode, 节点类

package OSI.OSU.MSQ.ASU.OSU.PSU.MSU.AVQ.ASQ.OPE.arffTransfer;

public class ArffNode

{

public String SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_SQ\_VPC\_PCS;

public ArffNode next;

public ArffNode pre;

public ArffNode()

{

next=null;

pre=null;

SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_SQ\_VPC\_PCS=null;

}

public void addName(String name)

{

next=null;

pre=null;

SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_SQ\_VPC\_PCS=name;

SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_SQ\_VPC\_PCS=new String(name);

}

}

arffLink, 节点类

package OSI.OSU.MSQ.ASU.OSU.PSU.MSU.AVQ.ASQ.OPE.arffTransfer;

public class ArffLink{

public boolean search(ArffNode first2, String key){

while(first2 != null && first2.pre != null){

first2 = first2.pre;

}

if(first2 == null || first2.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_SQ\_VPC\_PCS == null){

return false;

}

if(first2.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_SQ\_VPC\_PCS.equals(key)){

return true;

}

while(first2.next != null){

first2 = first2.next;

if(first2.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_SQ\_VPC\_PCS.equals(key)){

while(first2.pre != null){

first2 = first2.pre;

}

return true;

}

}

return false;

}

public ArffNode addNode(ArffNode currentnode, String name) {

if(currentnode == null){

currentnode = new ArffNode();

currentnode.addName(name);

currentnode.next = null;

currentnode.pre = null;

return currentnode;

}

while(currentnode.next != null){

currentnode = currentnode.next;

}

ArffNode node = new ArffNode();

node.addName(name);

node.pre = currentnode;

currentnode.next = node;

while(currentnode.pre != null){

currentnode = currentnode.pre;

}

return currentnode;

}

}

DrawNeroCellMask33, 画图类

package OSI.OPE.OSQ.MVQ.OVU.PQE.theme.neroCell;

public class DrawNeroCellMask33{

public static final int[][] neroShape = {

{0,0,0,0,0,1,1,1,1,1,0,0,0,0,0,0,0,1,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0},

{0,0,0,0,0,0,1,1,1,1,0,0,0,0,0,0,0,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0},

{0,0,0,0,0,0,0,0,1,1,1,0,0,0,0,0,0,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0},

{0,0,0,0,0,0,0,0,0,1,1,1,0,0,0,0,0,0,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0},

{0,0,0,0,0,0,0,0,0,0,1,1,0,0,0,0,0,0,0,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0},

{0,0,0,0,0,0,0,0,0,0,1,1,1,0,0,0,0,0,0,0,0,1,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0},

{0,0,0,0,0,0,0,0,0,0,0,1,1,1,0,0,0,0,0,0,0,0,0,0,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1},

{0,0,0,0,0,0,0,0,0,0,0,0,1,1,0,0,0,0,0,0,0,0,0,0,0,0,1,1,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1},

{0,0,0,0,0,0,0,0,0,0,0,0,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,1,1,1,1,1,1,1,1,1,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,1},

{0,0,0,0,0,0,0,0,0,0,0,0,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,1,1,1,1},

{0,0,0,0,0,0,0,0,0,0,0,0,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,0,0},

{0,0,0,0,0,0,0,0,0,0,0,0,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,1,1,1,1,1,1,1,1,1,1,1,1,0,0,0,0,0},

{0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,0,0,0,0,0,0,0,0,0},

{0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0},

{0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0},

{0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0},

{0,0,0,0,0,0,0,0,0,0,0,0,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1},

{0,0,0,0,0,0,0,0,0,0,0,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,1,1},

{0,0,0,0,0,0,0,0,0,0,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,1,1,1,1},

{1,0,0,0,0,0,0,0,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,1,1,1,0,0,0},

{1,1,1,1,1,1,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,1,0,0,0,0,0,0},

{1,1,1,1,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,0,0,0,0,0,0,0,0},

{0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,0,0,0,0,0,0,0,0,0},

{0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,0,0,0,0,0,0,0,0,0,0},

{0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,0,0,0,0,0,0,0,0,0,0,0},

{0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,0,0,0,0,0,0,0,0,0,0,0},

{0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,1,0,0,0,0,0,0,0,0,0,0,0},

{1,1,1,1,1,1,1,1,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,0,0,0,0,0,0,0,0,0,0,0,0},

{1,1,1,1,1,1,1,1,1,1,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,0,0,0,0,0,0,0,0,0,0,0,0},

{1,1,0,0,0,0,0,0,0,0,0,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,0,0,0,0,0,0,0,0,0,0,0,0},

{1,0,0,0,0,0,0,0,0,0,0,0,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,0,0,0,0,0,0,0,0,0,0,0},

{0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,1,0,0,0,0,0,0,0,0,0,0},

{0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,0,0,0,0,0,0,0,0,0,0},

{0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,0,0,0,0,0,0,0,0,0},

{0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,0,0,0,0,0,0,0,0},

{0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,0,0,0,0,0,0,0},

{0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,0,0,0,0,0,0},

{0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,0,0,0,0,0},

{0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,1,0,0,0},

{0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,1,1,1},

{0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,1,1},

{0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,1},

{0,0,0,0,0,0,0,0,0,0,0,0,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1},

{0,0,0,0,0,0,0,0,0,0,0,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,0,1,0,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1},

{0,0,0,0,0,0,0,0,0,0,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0},

{0,0,0,0,0,0,0,1,1,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0},

{0,0,0,0,0,0,0,1,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,1,1,1,1,1,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,1,1,1,1,1,1,1,0,0,0,0,0,0,0,0,0},

{0,0,0,0,0,0,0,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,1,1,1,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,1,1,1,1,1,1,0,0,0,0,0},

{0,0,0,0,0,0,0,1,0,0,0,0,0,0,0,0,0,0,0,0,1,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,1,1,1,0,0,0},

{0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,1,1,1},

{0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,1},

{0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1},

{0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,1},

{0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0},

{0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0},

{0,0,0,0,0,0,0,0,0,0,0,0,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0},

{0,0,0,0,0,0,0,0,0,0,0,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0},

{0,0,0,0,0,0,0,0,0,0,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0},

};

}

1. DNA元基索引版本

//新陈代谢编码思想见十五章， 元基编码的语料库见十二章

package OSI.OPE.AOPM.VECS.IDUQ.OVU.PQE.flash;

import java.awt.event.ActionEvent;

import java.awt.event.ActionListener;

import javax.sound.sampled.UnsupportedAudioFileException;

import javax.swing.Box;

import javax.swing.BoxLayout;

import javax.swing.JFrame;

import javax.swing.JOptionPane;

import javax.swing.JSplitPane;

import javax.swing.JTextPane;

import javax.swing.JScrollPane;

import javax.swing.UIManager;

import ME.APM.VSQ.DetaBuy;

import java.awt.Color;

import java.awt.Dimension;

import java.awt.FileDialog;

import java.awt.Frame;

import java.awt.MenuItem;

import java.awt.PopupMenu;

import java.io.File;

import java.io.IOException;

import java.net.MalformedURLException;

import java.net.URL;

import java.net.URLClassLoader;

//import ME.APM.VSQ.DetaBuy;

import MVQ.button.DetaButton;

import MVQ.filenameFilter.TXTFilter;

import OSI.OPE.MSI.OEI.SOI.SMQ.save.SaveAnd\_U\_File;

import OSI.OPE.MSI.OEI.SOI.SMQ.save.SaveAs\_I\_File;

import OSI.OPE.MSQ.OVU.PQE.nodeInfo.NodeInfo;

import OSI.OPE.MSQ.OVU.PQE.nodeProject.NodeProject;

import SVQ.stable.StableAnnotation;

import OSI.OPE.OEI.PVI.SOI.SMQ.load.LoadFile;

import OSI.OPE.OEQ.MCQ.OVU.PQE.osgi.NodeOSGI;

import OSI.OPE.OEQ.MCQ.OVU.PQE.osgi.OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI;

import OSI.OPE.OVQ.MSQ.OVU.PQE.platForm.UnicornJSplitPane;

import OSI.OPE.OVU.MVQ.OVU.PQE.nodeView.NodeShow;

import OSI.OPE.OVU.MVU.OVU.PQE.nodeEdit.LinkList;

import OSI.OPE.OVU.MVU.OVU.PQE.nodeEdit.LinkNode;

import OSI.OPE.OVU.MVU.OVU.PQE.nodeEdit.U\_RelatedLineVPS;

import OSI.OPE.PSQ.OEU.SOI.SMQ.neroCell.BootNeroCell;

public class GUISample\_XCDX\_CreateMap {

public void CreatMap(GUISample gUISample) throws IOException {

gUISample.w= 1446- 130;

gUISample.h= 820- 110-70;

gUISample.updateRelatedLine= new U\_RelatedLineVPS();

gUISample.getContentPane().setLayout(null);

UIManager.put("SplitPaneUI"

, "OSI.OPE.OVQ.MSQ.OVU.PQE.platForm.UnicornSplitPaneUI");

UIManager.put("ScrollBarUI"

, "OSI.OPE.OVQ.MSQ.OVU.PQE.platForm.UnicornScrollBarUI");

UIManager.put("TreeUI", "OSI.OPE.OVQ.MSQ.OVU.PQE.platForm.UnicornTreeUI");

gUISample.currentNodeName= new String("");

gUISample.first= new LinkList();

gUISample.popupMenu= new PopupMenu();

gUISample.menuItem= new MenuItem();

gUISample.menuItem.setLabel("add");

gUISample.popupMenu.add(gUISample.menuItem);

gUISample.nodeInfo= new NodeInfo();

gUISample.nodeView= new NodeShow(gUISample, gUISample.tableData\_old

, gUISample.text, gUISample.popupMenu, gUISample.u, gUISample.\_A

, gUISample.pos);

gUISample.nodeView.tree.setBackground(Color.white);

gUISample.nodeView.setBounds(10, 168, 137, 222);

gUISample.nodeProject= new NodeProject();

gUISample.nodeProject.setBounds(10, 38, 137, 124);

gUISample.mainSplitPane = new UnicornJSplitPane();

gUISample.mainSplitPane.setAutoscrolls(true);

//mainSplitPane.setEnabled(false);//

gUISample.mainSplitPane.setBounds(10, 50, gUISample.w-20, gUISample.h-80);

gUISample.mainSplitPane.setVisible(true);

gUISample.getContentPane().add(gUISample.mainSplitPane);

gUISample.leftSplitPane= new UnicornJSplitPane();

gUISample.leftSplitPane.setOrientation(JSplitPane.VERTICAL\_SPLIT);

gUISample.mainSplitPane.setLeftComponent(gUISample.leftSplitPane);

gUISample.leftSplitPane.setLeftComponent(gUISample.nodeProject);

gUISample.leftSplitPane.setRightComponent(gUISample.nodeView);

gUISample.rightSplitPane= new UnicornJSplitPane();

gUISample.rightSplitPane.setOrientation(JSplitPane.VERTICAL\_SPLIT);

gUISample.mainSplitPane.setRightComponent(gUISample.rightSplitPane);

gUISample.righttopSplitPane= new UnicornJSplitPane();

gUISample.rightSplitPane.setLeftComponent(gUISample.righttopSplitPane);

gUISample.rightBotJTextPane= new JTextPane();

gUISample.rightBotJTextPane.setText("你好，亲~");

gUISample.nodeMenu= new PopupMenu();

gUISample.canvas= new ThisCanvas(gUISample.threadApplet, gUISample.first

, gUISample.nodeView, gUISample.nodeMenu

, gUISample.rightBotJTextPane);

gUISample.canvas.setPreferredSize(new Dimension(1500,1000));

gUISample.canvas.setEnabled(true);

gUISample.righttopScrollPane= new JScrollPane();

gUISample.righttopScrollPane.setViewportView(gUISample.canvas);

gUISample.righttopSplitPane.setLeftComponent(gUISample.righttopScrollPane);

gUISample.rightrightScrollPane= new JScrollPane();

gUISample.righttopSplitPane.setRightComponent(gUISample.nodeInfo);

gUISample.rightdownScrollPane= new JScrollPane(gUISample.rightBotJTextPane);

gUISample.rightSplitPane.setRightComponent(gUISample.rightdownScrollPane);

gUISample.configre= new MenuItem();

gUISample.configre.setLabel("配置");

gUISample.run= new MenuItem();

gUISample.run.setLabel("运行");

gUISample.show= new MenuItem();

gUISample.show.setLabel("显示");

gUISample.dNode= new MenuItem();

gUISample.dNode.setLabel("删除该节");

gUISample.dLine= new MenuItem();

gUISample.dLine.setLabel("删除链接");

gUISample.nodeMenu.add(gUISample.configre);

gUISample.nodeMenu.add(gUISample.run);

gUISample.nodeMenu.add(gUISample.show);

gUISample.nodeMenu.add(gUISample.dNode);

gUISample.nodeMenu.add(gUISample.dLine);

gUISample.getContentPane().add(gUISample.popupMenu);

gUISample.getContentPane().add(gUISample.nodeMenu);

gUISample.engineMenu= new PopupMenu();

gUISample.load= new MenuItem();

gUISample.load.setLabel(StableAnnotation.CONFIG\_LOAD);

gUISample.save= new MenuItem();

gUISample.save.setLabel(StableAnnotation.CONFIG\_UPDATE);

gUISample.saveAs= new MenuItem();

gUISample.saveAs.setLabel(StableAnnotation.CONFIG\_SAVE);

gUISample.delete= new MenuItem();

gUISample.delete.setLabel(StableAnnotation.CONFIG\_DELETE);

gUISample.boot= new MenuItem();

gUISample.boot.setLabel(StableAnnotation.CONFIG\_BOOT);

gUISample.bootETL= new MenuItem();

gUISample.bootETL.setLabel(StableAnnotation.CONFIG\_BOOT\_ETL);

gUISample.osgis= new MenuItem();

gUISample.osgis.setLabel(StableAnnotation.CONFIG\_OSGIS);

gUISample.engineMenu.add(gUISample.load);

gUISample.engineMenu.add(gUISample.save);

gUISample.engineMenu.add(gUISample.saveAs);

gUISample.engineMenu.add(gUISample.delete);

gUISample.engineMenu.add(gUISample.boot);

gUISample.engineMenu.add(gUISample.bootETL);

gUISample.engineMenu.add(gUISample.osgis);

gUISample.getContentPane().add(gUISample.engineMenu);

Box buttonBox = new Box(BoxLayout.X\_AXIS);

DetaButton loadButton= new DetaButton("导入文档");

loadButton.setBounds(5+105+105+105+105, 3, 100, 20);

loadButton.addActionListener(new ActionListener(){

@SuppressWarnings("static-access")

@Override

public void actionPerformed(ActionEvent arg0) {

try {

javax.swing.JOptionPane jOptionPane

= new JOptionPane(StableAnnotation.ATTENSION\_LOAD\_ENSURE);

int confirm= jOptionPane.showConfirmDialog(gUISample.canvas

, StableAnnotation.ATTENSION\_LOAD\_ENSURE);

if(0!= confirm) {

gUISample.rightBotJTextPane.setText

(StableAnnotation.ATTENSION\_CANCELLED\_OPERATION);

gUISample.rightBotJTextPane.validate();

return;

}

FileDialog filedialog= new FileDialog(new Frame()

, StableAnnotation.ATTENSION\_LOAD\_HISTORY

, FileDialog.LOAD);

filedialog.setFilenameFilter(new TXTFilter

(StableAnnotation.FILE\_FORMAT\_ETL));

filedialog.setVisible(true);

gUISample.fileCurrentpath= filedialog.getDirectory()

+ filedialog.getFile();

System.out.println(gUISample.fileCurrentpath);

if(null== gUISample.fileCurrentpath

|| gUISample.fileCurrentpath.isEmpty()

|| !gUISample.fileCurrentpath.contains

(StableAnnotation.FILE\_FORMAT\_ETL)) {

System.out.println(StableAnnotation.ATTENSION\_RECHOICE);

return;

}

File file= new File(gUISample.fileCurrentpath);

if(!file.isFile()) {

System.out.println(StableAnnotation.ATTENSION\_RECHOICE);

return;

}

LinkNode needDeleteNode= gUISample.first.first;

while(needDeleteNode!= null) {

gUISample.first.first= gUISample.first.deletNode

(gUISample.first.first, needDeleteNode.name

, needDeleteNode.ID

, needDeleteNode.primaryKey);

if(null== needDeleteNode.next) {

break;

}

needDeleteNode= needDeleteNode.next;

}

gUISample.canvas.repaint();

gUISample.first.first= LoadFile.Load(gUISample.first.first

, gUISample.nodeView, file, gUISample.first);

}catch(Exception loadE) {

loadE.printStackTrace();

}

gUISample.canvas.repaint();

gUISample.righttopScrollPane.validate();

}

});

buttonBox.add(loadButton);

//

DetaButton saveButton= new DetaButton("保存文档");

saveButton.setBounds(5+105+105+105+105, 3, 100, 20);

saveButton.addActionListener(new ActionListener(){

@Override

public void actionPerformed(ActionEvent arg0) {

SaveAs\_I\_File.Save(gUISample.first.first);

}

});

buttonBox.add(saveButton);

//

DetaButton runButton= new DetaButton("更新执行");

runButton.setBounds(5+105+105+105+105, 3, 100, 20);

runButton.addActionListener(new ActionListener(){

@SuppressWarnings("static-access")

@Override

public void actionPerformed(ActionEvent arg0) {

try {

javax.swing.JOptionPane jOptionPane

= new JOptionPane(StableAnnotation.ATTENSION\_LOAD\_ENSURE);

int confirm= jOptionPane.showConfirmDialog(gUISample.canvas

, StableAnnotation.ATTENSION\_LOAD\_ENSURE);

if(0!= confirm) {

gUISample.rightBotJTextPane.setText

(StableAnnotation.ATTENSION\_CANCELLED\_OPERATION);

gUISample.rightBotJTextPane.validate();

return;

}

FileDialog filedialog= new FileDialog(new Frame()

, StableAnnotation.ATTENSION\_LOAD\_HISTORY

, FileDialog.LOAD);

filedialog.setFilenameFilter(new TXTFilter

(StableAnnotation.FILE\_FORMAT\_ETL));

filedialog.setVisible(true);

gUISample.fileCurrentpath= filedialog.getDirectory()

+ filedialog.getFile();

System.out.println(gUISample.fileCurrentpath);

if(null== gUISample.fileCurrentpath

|| gUISample.fileCurrentpath.isEmpty()

|| !gUISample.fileCurrentpath.contains

(StableAnnotation.FILE\_FORMAT\_ETL)) {

System.out.println(StableAnnotation.ATTENSION\_RECHOICE);

return;

}

File file= new File(gUISample.fileCurrentpath);

if(!file.isFile()) {

System.out.println(StableAnnotation.ATTENSION\_RECHOICE);

return;

}

LinkNode needDeleteNode= gUISample.first.first;

while(needDeleteNode!= null) {

gUISample.first.first= gUISample.first.deletNode

(gUISample.first.first, needDeleteNode.name

, needDeleteNode.ID

, needDeleteNode.primaryKey);

if(null== needDeleteNode.next) {

break;

}

needDeleteNode= needDeleteNode.next;

}

gUISample.canvas.repaint();

gUISample.first.first= LoadFile.Load(gUISample.first.first

, gUISample.nodeView, file, gUISample.first);

}catch(Exception loadE) {

loadE.printStackTrace();

}

gUISample.canvas.repaint();

gUISample.righttopScrollPane.validate();

try {

BootNeroCell.bootCell(gUISample.first.first

, gUISample.rightBotJTextPane, gUISample.canvas);

} catch (IOException e1) {

e1.printStackTrace();

} catch (UnsupportedAudioFileException | InterruptedException e1) {

e1.printStackTrace();

} catch (CloneNotSupportedException e) {

// TODO Auto-generated catch block

e.printStackTrace();

}

gUISample.rightBotJTextPane.setText

(StableAnnotation.NODE\_EXEC\_SUCCESS);

gUISample.rightBotJTextPane.validate();

}

});

buttonBox.add(runButton);

//

DetaButton updateButton= new DetaButton("更新文档");

updateButton.setBounds(5+105+105+105+105, 3, 100, 20);

updateButton.addActionListener(new ActionListener(){

@SuppressWarnings("static-access")

@Override

public void actionPerformed(ActionEvent arg0) {

if(null== gUISample.fileCurrentpath) {

System.out.println(StableAnnotation.ATTENSION\_UNCURRENT\_CHOICE);

return;

}

javax.swing.JOptionPane jOptionPane

= new JOptionPane(StableAnnotation.ATTENSION\_UPDATE\_ENSURE

+ gUISample.fileCurrentpath

+ StableAnnotation.MARK\_QUESTION);

int confirm= jOptionPane.showConfirmDialog(gUISample.canvas

, StableAnnotation.ATTENSION\_UPDATE\_ENSURE

+ gUISample.fileCurrentpath

+ StableAnnotation.MARK\_QUESTION);

if(0!= confirm) {

gUISample.rightBotJTextPane.setText

(StableAnnotation.ATTENSION\_CANCELLED\_OPERATION);

gUISample.rightBotJTextPane.validate();

return;

}

SaveAnd\_U\_File.U\_(gUISample.fileCurrentpath, gUISample.first.first);

}

});

buttonBox.add(updateButton);

//

DetaButton deleteButton= new DetaButton("删除文档");

deleteButton.setBounds(5+105+105+105+105, 3, 100, 20);

deleteButton.addActionListener(new ActionListener(){

@SuppressWarnings("static-access")

@Override

public void actionPerformed(ActionEvent arg0) {

try {

javax.swing.JOptionPane jOptionPane

= new JOptionPane(StableAnnotation.ATTENSION\_CANCEL\_ENSURE);

int confirm= jOptionPane.showConfirmDialog(gUISample.canvas

, StableAnnotation.ATTENSION\_CANCEL\_ENSURE);

if(0!= confirm) {

gUISample.rightBotJTextPane.setText

(StableAnnotation.ATTENSION\_CANCELLED\_OPERATION);

gUISample.rightBotJTextPane.validate();

return;

}

LinkNode node= gUISample.first.first;

while(node!= null) {

gUISample.first.first= gUISample.first.deletNode

(gUISample.first.first, node.name, node.ID

, node.primaryKey);

if(null== node.next) {

break;

}

node= node.next;

}

node= node.next;

gUISample.canvas.repaint();

}catch(Exception E) {

gUISample.canvas.repaint();

}

gUISample.rightBotJTextPane.setText

(StableAnnotation.ATTENSION\_DELETE);

gUISample.rightBotJTextPane.validate();

}

});

buttonBox.add(deleteButton);

//

DetaButton addButton= new DetaButton("添加插件");

addButton.setBounds(5+105+105+105+105, 3, 100, 20);

addButton.addActionListener(new ActionListener(){

@SuppressWarnings({ "static-access", "deprecation" })

@Override

public void actionPerformed(ActionEvent arg0) {

String jarCategoryLink= "";

FileDialog filedialog= new FileDialog(new Frame()

, StableAnnotation.ATTENSION\_LOAD\_HISTORY

, FileDialog.LOAD);

filedialog.setFilenameFilter(new TXTFilter

(StableAnnotation.FILE\_FORMAT\_ETL));

filedialog.setVisible(true);

jarCategoryLink= filedialog.getDirectory();

//System.out.println(jarCategoryLink);

if(null== jarCategoryLink|| jarCategoryLink.isEmpty()

|| jarCategoryLink.contains

(StableAnnotation.FILE\_FORMAT\_JAR)) {

System.out.println(StableAnnotation.ATTENSION\_RECHOICE);

return;

}

File file= new File(jarCategoryLink);

if(file.isFile()) {

System.out.println(StableAnnotation.ATTENSION\_FILE\_CHOICE);

return;

}

File[] files= file.listFiles();

Here:

for(int i= 0; i< files.length; i++) {

gUISample.rightBotJTextPane.validate();

gUISample.getContentPane().validate();

URLClassLoader loader = null;

try {

loader = new URLClassLoader(new URL[]{ files[i].toURL() });

} catch (MalformedURLException e2) {

e2.printStackTrace();

}

String filename= files[i].getName().replace

(StableAnnotation.FILE\_FORMAT\_JAR

, StableAnnotation.STRING\_EMPTY);

if(!filename.contains("OSI.OSU.")) {

continue Here;

}

/\* 源头: 见JDK 官方文档 的classloader 描述

//如下注释2行代码

\* refer https://www.cnblogs.com/chinaxin/p/3678442.html

\* 这小伙子以后有前途。哈哈

//Class<?> myclass = loader.loadClass("hand.java.loadjar

\* .TestClass");

//Gene new object

//Object myobject = myclass.newInstance();

\*/

//因为按照标准格式函数命名, 因此做了首字母的大写变换, 准备调试下.罗瑶光

String[] filenameSplit= filename.split("\\.");

String lastName= filenameSplit[filenameSplit.length- 1];

String FirstCharOfLastName= (""+ lastName.charAt(0)).toUpperCase();

String NewlastName= FirstCharOfLastName+ lastName.subSequence(1

, lastName.length());

System.out.println(filename);

Class<?> myclass = null;

// 数组

//尾组

//首字母 大写

//filename= (""+ filename.split("\\.")[filename.split("\\.")

//

//.length- 1].charAt(0)).toUpperCase();

//System.out.println(filename.replace(filename.split(".")

//.length, newChar)filename.split(".").length);

try {

String className= filename+ "."+ NewlastName

+ StableAnnotation.NODE\_NODE\_INTERFACE;

System.out.println(className);

myclass= loader.loadClass(className);

} catch (ClassNotFoundException e1) {

// //增加小写识别一次，兼容老的插件。

// FirstCharOfLastName= (""+ lastName.charAt(0));

// NewlastName= FirstCharOfLastName+ lastName.subSequence(1

//, lastName.length());

// System.out.println(filename);

// String className= filename+ "."+ NewlastName

// + StableData.NODE\_NODE\_INTERFACE;

// System.out.println(className);

// try {

//myclass= loader.loadClass(className);

// } catch (ClassNotFoundException e) {

//// TODO Auto-generated catch block

//e.printStackTrace();

// }

e1.printStackTrace();

}

Object myobject= null;

try {

myobject= myclass.newInstance();

}

catch (InstantiationException e1) {

e1.printStackTrace();

}

catch (IllegalAccessException e1) {

e1.printStackTrace();

}

//我准备之后设计成病毒式热插拔，因为绕过虚拟机的思想涉及情报学特工

//和计算机病毒领域

//，害怕国家相关安全体系管控，暂时不研发。

OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI

\_OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI

= (OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI) myobject;

if(gUISample.nodeReflection.containsKey

(\_OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI

.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_SQ\_VPC\_PCS)) {

gUISample.rightBotJTextPane.setText

("请勿重复添加，节点已存在"

+ System.currentTimeMillis());

continue Here;

//return;

}

gUISample.nodeReflection.put

(\_OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI

.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_SQ\_VPC\_PCS, null);

\_OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI.register

(gUISample.tableData\_old, gUISample.text, gUISample.u

, gUISample.\_A, gUISample.pos);

try {

if(\_OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI

.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_SQ\_VPC\_PCS.contains("添加")

&& \_OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI

.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_SQ\_VPC\_PCS.contains("页")) {

gUISample.u.searchList.add

(\_OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI); //memory increment

}

\_OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI.IMP\_PSU();

gUISample.rightBotJTextPane.setText("节点:"

+ \_OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI

.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_SQ\_VPC\_PCS

+ "已经更新成功"+ System.currentTimeMillis()

+ "\r\n"+ gUISample.rightBotJTextPane.getText());

gUISample.rightBotJTextPane.validate();

gUISample.thread.sleep(100);

} catch (IOException e) {

e.printStackTrace();

} catch (InterruptedException e) {

e.printStackTrace();

}

gUISample.nodeView.first= gUISample.nodeView.link

.addNode(gUISample.nodeView.first

, \_OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI);

}

gUISample.nodeView.U\_Tree();

gUISample.getContentPane().validate();

}

});

buttonBox.add(addButton);

DetaButton execButton= new DetaButton("一键执行");

execButton.setBounds(5+ 105+ 105+ 105+ 105, 3, 100, 20);

execButton.addActionListener(new ActionListener(){

@Override

public void actionPerformed(ActionEvent arg0) {

try {

BootNeroCell.bootCell(gUISample.first.first

, gUISample.rightBotJTextPane, gUISample.canvas);

gUISample.rightBotJTextPane.setText

(StableAnnotation.NODE\_EXEC\_SUCCESS);

gUISample.rightBotJTextPane.validate();

} catch (IOException e1) {

gUISample.rightBotJTextPane.setText(e1.getStackTrace().toString());

gUISample.rightBotJTextPane.validate();

} catch (UnsupportedAudioFileException | InterruptedException e1) {

gUISample.rightBotJTextPane.setText(e1.getStackTrace().toString());

gUISample.rightBotJTextPane.validate();

} catch (CloneNotSupportedException e) {

// TODO Auto-generated catch block

e.printStackTrace();

}

}

});

buttonBox.add(execButton);

//

DetaButton execButton1= new DetaButton("记忆键一");

execButton1.setBounds(5+ 105+ 105+ 105+ 105, 3, 100, 20);

execButton1.addActionListener(new ActionListener(){

@Override

public void actionPerformed(ActionEvent arg0) {

}

});

buttonBox.add(execButton1);

//

DetaButton execButton2= new DetaButton("记忆键二");

execButton2.setBounds(5+ 105+ 105+ 105+ 105, 3, 100, 20);

execButton2.addActionListener(new ActionListener(){

@Override

public void actionPerformed(ActionEvent arg0) {

}

});

buttonBox.add(execButton2);

//

DetaButton execButton3= new DetaButton("记忆键三");

execButton3.setBounds(5+ 105+ 105+ 105+ 105, 3, 100, 20);

execButton3.addActionListener(new ActionListener(){

@Override

public void actionPerformed(ActionEvent arg0) {

}

});

buttonBox.add(execButton3);

//

DetaButton execButton4= new DetaButton("记忆键四");

execButton4.setBounds(5+ 105+ 105+ 105+ 105, 3, 100, 20);

execButton4.addActionListener(new ActionListener(){

@Override

public void actionPerformed(ActionEvent arg0) {

}

});

buttonBox.add(execButton4);

//

DetaButton execButton5= new DetaButton("记忆键五");

execButton5.setBounds(5+ 105+ 105+ 105+ 105, 3, 100, 20);

execButton5.addActionListener(new ActionListener(){

@Override

public void actionPerformed(ActionEvent arg0) {

}

});

buttonBox.add(execButton5);

//

DetaButton execButton6= new DetaButton("卸载节点");

execButton6.setBounds(5+ 105+ 105+ 105+ 105, 3, 100, 20);

execButton6.addActionListener(new ActionListener(){

@Override

public void actionPerformed(ActionEvent arg0) {

//确认是否卸载

javax.swing.JOptionPane jOptionPane= new JOptionPane("确认是否卸载？");

@SuppressWarnings("static-access")

int confirm= jOptionPane.showConfirmDialog

(gUISample.canvas, "确认卸载吗？");

if(0!= confirm) {

gUISample.rightBotJTextPane.setText

(StableAnnotation.ATTENSION\_CANCELLED\_OPERATION);

gUISample.rightBotJTextPane.validate();

return;

}

//卸载

//gUISample.first.first

NodeOSGI linkNode= gUISample.nodeView.first;

while(linkNode.next!= null) {//daodi

linkNode= linkNode.next;

}

Here:

while(linkNode!= null) {//benshen

if(gUISample.nodeReflection.containsKey

(linkNode.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_SQ\_VPC\_PCS)) {

gUISample.nodeReflection.remove

(linkNode.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_SQ\_VPC\_PCS);

if(linkNode.pre!= null) {

linkNode= linkNode.pre;

if(linkNode.next.next!= null) {

linkNode.next= linkNode.next.next;

} else {

linkNode.next= null;

}

}else if(linkNode.next!= null) {

linkNode= linkNode.next;

linkNode.pre= null;

}

continue Here;

}

if(linkNode.pre== null) {

break;

}

linkNode= linkNode.pre;

}

gUISample.nodeView.first= linkNode;

gUISample.nodeView.U\_Tree();

gUISample.rightBotJTextPane.setText("卸载成功!");

gUISample.rightBotJTextPane.validate();

}

});

buttonBox.add(execButton6);

DetaButton execButton7= new DetaButton("购买节点");

execButton7.setBounds(5+ 105+ 105+ 105+ 105, 3, 100, 20);

execButton7.addActionListener(new ActionListener(){

DetaBuy detaBuy;

JFrame jFrame;

@SuppressWarnings("deprecation")

@Override

public void actionPerformed(ActionEvent arg0) {

if(null== jFrame) {

detaBuy= new DetaBuy();

try {

detaBuy.IV\_(null);

} catch (IOException e) {

// TODO Auto-generated catch block

e.printStackTrace();

}

detaBuy.setBounds(0, 0, 785, 655);

detaBuy.setVisible(true);

detaBuy.show();

jFrame= new JFrame("购买信息 V1.0.0");

//frame.setLayout(null);

jFrame.setSize(780, 650);

jFrame.setLocation(300, 300);

jFrame.setResizable(false);

jFrame.add(detaBuy);

jFrame.setVisible(true);

jFrame.show();

jFrame.setDefaultCloseOperation(JFrame.HIDE\_ON\_CLOSE);

}else {

jFrame.setVisible(true);

jFrame.show();

}

}

});

buttonBox.add(execButton7);

//

DetaButton execButton8= new DetaButton("配置面板");

execButton8.setBounds(5+ 105+ 105+ 105+ 105, 3, 100, 20);

execButton8.addActionListener(new ActionListener(){

@Override

public void actionPerformed(ActionEvent arg0) {

gUISample.engineMenu.show(gUISample.canvas, 0, 0);

}

});

buttonBox.add(execButton8);

buttonBox.setBounds(10, 0, 1400, 50);

gUISample.getContentPane().add(buttonBox);

gUISample.getContentPane().setVisible(true);

}

}

.......................................................................................................................

package OSI.OPE.AOPM.VECS.IDUQ.OVU.PQE.flash;

import java.awt.event.ActionEvent;

import java.awt.event.ComponentEvent;

import java.awt.event.ComponentListener;

import javax.sound.sampled.UnsupportedAudioFileException;

import javax.swing.JOptionPane;

import javax.swing.JSplitPane;

import java.awt.Color;

import java.awt.Dimension;

import java.awt.FileDialog;

import java.awt.Frame;

import java.io.File;

import java.io.FileNotFoundException;

import java.io.IOException;

import java.net.MalformedURLException;

import java.net.URL;

import java.net.URLClassLoader;

import javax.swing.event.TreeSelectionEvent;

import javax.swing.event.TreeSelectionListener;

import javax.swing.tree.DefaultMutableTreeNode;

import MVQ.filenameFilter.TXTFilter;

import OSI.OPE.MSI.OEI.SOI.SMQ.save.SaveAnd\_U\_File;

import OSI.OPE.MSI.OEI.SOI.SMQ.save.SaveAs\_I\_File;

import SVQ.stable.StableAnnotation;

import OSI.OPE.OEI.PVI.SOI.SMQ.load.LoadFile;

import OSI.OPE.OEQ.MCQ.OVU.PQE.osgi.OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI;

import OSI.OPE.OVU.MVQ.OVU.PQE.nodeView.CacuString;

import OSI.OPE.OVU.MVU.OVU.PQE.nodeEdit.LinkNode;

import OSI.OPE.OVU.MVU.OVU.PQE.nodeEdit.Sort;

import OSI.OPE.PSQ.OEU.SOI.SMQ.neroCell.BootNeroCell;

@SuppressWarnings("deprecation")

public class GUISample\_XCDX\_Register {

public void Register(GUISample gUISample) {

gUISample.load.addActionListener(new java.awt.event.ActionListener() {

@SuppressWarnings({StableAnnotation.TAG\_STATIC\_ACCESS})

public void actionPerformed(ActionEvent e) {

try {

javax.swing.JOptionPane jOptionPane

= new JOptionPane(StableAnnotation.ATTENSION\_LOAD\_ENSURE);

int confirm= jOptionPane.showConfirmDialog(gUISample.canvas

, StableAnnotation.ATTENSION\_LOAD\_ENSURE);

if(0!= confirm) {

gUISample.rightBotJTextPane.setText

(StableAnnotation.ATTENSION\_CANCELLED\_OPERATION);

gUISample.rightBotJTextPane.validate();

return;

}

FileDialog filedialog= new FileDialog(new Frame()

, StableAnnotation.ATTENSION\_LOAD\_HISTORY

, FileDialog.LOAD);

filedialog.setFilenameFilter(new TXTFilter

(StableAnnotation.FILE\_FORMAT\_ETL));

filedialog.setVisible(true);

gUISample.fileCurrentpath= filedialog.getDirectory()

+ filedialog.getFile();

System.out.println(gUISample.fileCurrentpath);

if(null== gUISample.fileCurrentpath

|| gUISample.fileCurrentpath.isEmpty()

|| !gUISample.fileCurrentpath.contains

(StableAnnotation.FILE\_FORMAT\_ETL)) {

System.out.println(StableAnnotation.ATTENSION\_RECHOICE);

return;

}

File file= new File(gUISample.fileCurrentpath);

if(!file.isFile()) {

System.out.println(StableAnnotation.ATTENSION\_RECHOICE);

return;

}

LinkNode needDeleteNode= gUISample.first.first;

while(needDeleteNode!= null) {

gUISample.first.first= gUISample.first.deletNode

(gUISample.first.first, needDeleteNode.name

, needDeleteNode.ID

, needDeleteNode.primaryKey);

if(null== needDeleteNode.next) {

break;

}

needDeleteNode= needDeleteNode.next;

}

gUISample.canvas.repaint();

gUISample.first.first= LoadFile.Load(gUISample.first.first

, gUISample.nodeView, file, gUISample.first);

}catch(Exception loadE) {

loadE.printStackTrace();

}

gUISample.canvas.repaint();

gUISample.righttopScrollPane.validate();

}

});

gUISample.save.addActionListener(new java.awt.event.ActionListener() {

@SuppressWarnings({StableAnnotation.TAG\_STATIC\_ACCESS})

public void actionPerformed(ActionEvent e) {

if(null== gUISample.fileCurrentpath) {

System.out.println(StableAnnotation.ATTENSION\_UNCURRENT\_CHOICE);

return;

}

javax.swing.JOptionPane jOptionPane

= new JOptionPane(StableAnnotation.ATTENSION\_UPDATE\_ENSURE

+ gUISample.fileCurrentpath

+ StableAnnotation.MARK\_QUESTION);

int confirm= jOptionPane.showConfirmDialog(gUISample.canvas

, StableAnnotation.ATTENSION\_UPDATE\_ENSURE

+ gUISample.fileCurrentpath

+ StableAnnotation.MARK\_QUESTION);

if(0!= confirm) {

gUISample.rightBotJTextPane.setText

(StableAnnotation.ATTENSION\_CANCELLED\_OPERATION);

gUISample.rightBotJTextPane.validate();

return;

}

SaveAnd\_U\_File.U\_(gUISample.fileCurrentpath, gUISample.first.first);

}

}); gUISample.saveAs.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(ActionEvent e) {

SaveAs\_I\_File.Save(gUISample.first.first);

}

}); gUISample.osgis.addActionListener(new java.awt.event.ActionListener() {

@SuppressWarnings({ "static-access" })

public void actionPerformed(ActionEvent e) {

String jarCategoryLink= "";

FileDialog filedialog= new FileDialog(new Frame()

, StableAnnotation.ATTENSION\_LOAD\_HISTORY

, FileDialog.LOAD);

filedialog.setFilenameFilter(new TXTFilter

(StableAnnotation.FILE\_FORMAT\_ETL));

filedialog.setVisible(true);

jarCategoryLink= filedialog.getDirectory();

//System.out.println(jarCategoryLink);

if(null== jarCategoryLink|| jarCategoryLink.isEmpty()

|| jarCategoryLink.contains

(StableAnnotation.FILE\_FORMAT\_JAR)) {

System.out.println(StableAnnotation.ATTENSION\_RECHOICE);

return;

}

File file= new File(jarCategoryLink);

if(file.isFile()) {

System.out.println(StableAnnotation.ATTENSION\_FILE\_CHOICE);

return;

}

File[] files= file.listFiles();

Here:

for(int i= 0; i< files.length; i++) {

gUISample.rightBotJTextPane.validate();

gUISample.getContentPane().validate();

URLClassLoader loader= null;

try {

loader= new URLClassLoader(new URL[]{ files[i].toURL() });

} catch (MalformedURLException e2) {

e2.printStackTrace();

}

String filename= files[i].getName()

.replace(StableAnnotation.FILE\_FORMAT\_JAR

, StableAnnotation.STRING\_EMPTY);

if(!filename.contains("OSI.OSU.")) {

continue Here;

}

//如下注释2行代码

//refer https://www.cnblogs.com/chinaxin/p/3678442.html

//这小伙子以后有前途。哈哈

//Class<?> myclass = loader.loadClass

//("hand.java.loadjar.TestClass");

//Gene new object

//Object myobject = myclass.newInstance();

Class<?> myclass= null;

//因为按照标准格式函数命名, 因此做了首字母的大写变换

//, 准备调试下.罗瑶光

String[] filenameSplit= filename.split("\\.");

String lastName= filenameSplit[filenameSplit.length- 1];

String FirstCharOfLastName= (""

+ lastName.charAt(0)).toUpperCase();

String NewlastName= FirstCharOfLastName

+ lastName.subSequence(1, lastName.length());

System.out.println(filename);

//数组 尾组 首字母 大写

//filename= (""+ filename.split("\\.")[filename.split("\\.")

//.length- 1].charAt(0)).toUpperCase();

//System.out.println(filename.replace(filename.split(".")

//.length, newChar)filename.split(".").length);

try {

String className= filename+ "."+ NewlastName

+ StableAnnotation.NODE\_NODE\_INTERFACE;

System.out.println(className);

myclass= loader.loadClass(className);

} catch (ClassNotFoundException e1) {

////增加小写识别一次，兼容老的插件。

////之后我会统一进行修改

////罗瑶光20210514

//FirstCharOfLastName= (""+ lastName.charAt(0));

//NewlastName= FirstCharOfLastName

//+ lastName.subSequence(1, lastName.length());

//System.out.println(filename);

//String className= filename+ "."+ NewlastName

//+ StableData.NODE\_NODE\_INTERFACE;

//System.out.println(className);

//try {

// myclass= loader.loadClass(className);

//} catch (ClassNotFoundException e2) {

// // TODO Auto-generated catch block

// e2.printStackTrace();

//}

e1.printStackTrace();

}

Object myobject= null;

try {

myobject= myclass.newInstance();

}

catch (InstantiationException e1) {

e1.printStackTrace();

}

catch (IllegalAccessException e1) {

e1.printStackTrace();

}//我准备之后设计成病毒式热插拔，因为绕过虚拟机的思想涉及情报学特工

//和计算机病毒领域

//，害怕国家相关安全体系管控，暂时不研发。

OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI

\_OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI

= (OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI) myobject;

if(gUISample.nodeReflection.containsKey

(\_OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI

.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_SQ\_VPC\_PCS)) {

gUISample.rightBotJTextPane.setText

("请勿重复添加，节点已存在"+ System.currentTimeMillis());

continue Here;

//return;

}

gUISample.nodeReflection.put (\_OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_SQ\_VPC\_PCS, null); \_OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI.register

(gUISample.tableData\_old, gUISample.text, gUISample.u

, gUISample.\_A, gUISample.pos);

try {

//search register need add the information

if(\_OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI

.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_SQ\_VPC\_PCS.contains("添加")

&& \_OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI

.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_SQ\_VPC\_PCS.contains("页")) { gUISample.u.searchList.add(\_OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI); //memory increment

}

//searchList

//

\_OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI.IMP\_PSU();

gUISample.rightBotJTextPane.setText("节点:"

+ \_OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI

.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_SQ\_VPC\_PCS

+ "已经更新成功"+ System.currentTimeMillis()

+ "\r\n"+ gUISample.rightBotJTextPane.getText());

gUISample.rightBotJTextPane.validate();

gUISample.thread.sleep(100);

} catch (IOException e1) {

e1.printStackTrace();

} catch (InterruptedException e2) {

e2.printStackTrace();

}

gUISample.nodeView.first

= gUISample.nodeView.link.addNode(gUISample.nodeView.first

, \_OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI);

}

gUISample.nodeView.U\_Tree();

gUISample.getContentPane().validate();

}

}); gUISample.boot.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(ActionEvent e) {

try {

BootNeroCell.bootCell(gUISample.first.first

, gUISample.rightBotJTextPane, gUISample.canvas);

gUISample.rightBotJTextPane.setText

(StableAnnotation.NODE\_EXEC\_SUCCESS);

gUISample.rightBotJTextPane.validate();

} catch (IOException e1) {

gUISample.rightBotJTextPane.setText

(e1.getStackTrace().toString());

gUISample.rightBotJTextPane.validate();

} catch (UnsupportedAudioFileException | InterruptedException e1) {

gUISample.rightBotJTextPane.setText(e1.getStackTrace().toString());

gUISample.rightBotJTextPane.validate();

} catch (CloneNotSupportedException e1) {

// TODO Auto-generated catch block

e1.printStackTrace();

}

}

});

gUISample.bootETL.addActionListener(new java.awt.event.ActionListener() {

@SuppressWarnings(StableAnnotation.TAG\_STATIC\_ACCESS)

public void actionPerformed(ActionEvent e) {

try {

javax.swing.JOptionPane jOptionPane

= new JOptionPane(StableAnnotation.ATTENSION\_LOAD\_ENSURE);

int confirm= jOptionPane.showConfirmDialog(gUISample.canvas

, StableAnnotation.ATTENSION\_LOAD\_ENSURE);

if(0!= confirm) {

gUISample.rightBotJTextPane.setText

(StableAnnotation.ATTENSION\_CANCELLED\_OPERATION);

gUISample.rightBotJTextPane.validate();

return;

}

FileDialog filedialog= new FileDialog(new Frame()

, StableAnnotation.ATTENSION\_LOAD\_HISTORY

, FileDialog.LOAD);

filedialog.setFilenameFilter

(new TXTFilter(StableAnnotation.FILE\_FORMAT\_ETL));

filedialog.setVisible(true);

gUISample.fileCurrentpath= filedialog.getDirectory()

+ filedialog.getFile();

System.out.println(gUISample.fileCurrentpath);

if(null== gUISample.fileCurrentpath

|| gUISample.fileCurrentpath.isEmpty()

|| !gUISample.fileCurrentpath.contains

(StableAnnotation.FILE\_FORMAT\_ETL)) {

System.out.println(StableAnnotation.ATTENSION\_RECHOICE);

return;

}

File file= new File(gUISample.fileCurrentpath);

if(!file.isFile()) {

System.out.println(StableAnnotation.ATTENSION\_RECHOICE);

return;

}

LinkNode needDeleteNode= gUISample.first.first;

while(needDeleteNode!= null) {

gUISample.first.first

= gUISample.first.deletNode(gUISample.first.first

, needDeleteNode.name, needDeleteNode.ID

, needDeleteNode.primaryKey);

if(null== needDeleteNode.next) {

break;

}

needDeleteNode= needDeleteNode.next;

}

gUISample.canvas.repaint();

gUISample.first.first= LoadFile.Load(gUISample.first.first

, gUISample.nodeView, file, gUISample.first);

}catch(Exception loadE) {

loadE.printStackTrace();

}

gUISample.canvas.repaint();

gUISample.righttopScrollPane.validate();

try {

BootNeroCell.bootCell(gUISample.first.first

, gUISample.rightBotJTextPane, gUISample.canvas);

} catch (IOException e1) {

e1.printStackTrace();

} catch (UnsupportedAudioFileException | InterruptedException e1) {

e1.printStackTrace();

} catch (CloneNotSupportedException e1) {

// TODO Auto-generated catch block

e1.printStackTrace();

}

gUISample.rightBotJTextPane.setText

(StableAnnotation.NODE\_EXEC\_SUCCESS);

gUISample.rightBotJTextPane.validate();

}

});

//delete

gUISample.delete.addActionListener(new java.awt.event.ActionListener() {

@SuppressWarnings(StableAnnotation.TAG\_STATIC\_ACCESS)

public void actionPerformed(ActionEvent e) {

try {

javax.swing.JOptionPane jOptionPane

= new JOptionPane(StableAnnotation.ATTENSION\_CANCEL\_ENSURE);

int confirm= jOptionPane.showConfirmDialog(gUISample.canvas

, StableAnnotation.ATTENSION\_CANCEL\_ENSURE);

if(0!= confirm) {

gUISample.rightBotJTextPane.setText

(StableAnnotation.ATTENSION\_CANCELLED\_OPERATION);

gUISample.rightBotJTextPane.validate();

return;

}

LinkNode node= gUISample.first.first;

while(node!= null) {

gUISample.first.first= gUISample.first.deletNode

(gUISample.first.first, node.name, node.ID

, node.primaryKey);

if(null== node.next) {

break;

}

node= node.next;

}

node= node.next;

gUISample.canvas.repaint();

}catch(Exception E) {

gUISample.canvas.repaint();

}

gUISample.rightBotJTextPane.setText

(StableAnnotation.ATTENSION\_DELETE);

gUISample.rightBotJTextPane.validate();

}

});

gUISample.leftSplitPane.addPropertyChangeListener(new java.beans.PropertyChangeListener() {

public void propertyChange(java.beans.PropertyChangeEvent evt) {

if (evt.getPropertyName().equals

(JSplitPane.DIVIDER\_LOCATION\_PROPERTY)) {

//action code

gUISample.nodeProject.width= gUISample.leftSplitPane.getWidth();

gUISample.nodeProject.height

= gUISample.leftSplitPane.getDividerLocation();

gUISample.nodeProject.setBounds(0, 0

, gUISample.leftSplitPane.getWidth(), gUISample.leftSplitPane

.getDividerLocation());

gUISample.nodeProject.validate();

}

}

});

gUISample.mainSplitPane.addPropertyChangeListener(new java.beans.PropertyChangeListener() {

public void propertyChange(java.beans.PropertyChangeEvent evt) {

if (evt.getPropertyName().equals(JSplitPane.DIVIDER\_LOCATION\_PROPERTY)) {

//action code

gUISample.nodeProject.width

= gUISample.mainSplitPane.getDividerLocation();

gUISample.nodeProject.height

= gUISample.leftSplitPane.getDividerLocation();

gUISample.nodeProject.setBounds(0, 0

, gUISample.mainSplitPane.getDividerLocation()

, gUISample.leftSplitPane.getDividerLocation());

gUISample.nodeProject.validate();

}

}

}); gUISample.righttopScrollPane.addComponentListener(new ComponentListener(){

public void componentHidden(ComponentEvent arg0) {}

public void componentMoved(ComponentEvent arg0) {}

public void componentResized(ComponentEvent arg0) {

gUISample.righttopScrollPane.validate();

}

public void componentShown(ComponentEvent arg0) {}

});

gUISample.getContentPane().addComponentListener(new ComponentListener(){

public void componentHidden(ComponentEvent arg0) {}

public void componentMoved(ComponentEvent arg0) {}

public void componentResized(ComponentEvent arg0) {

gUISample.w= gUISample.getContentPane().getWidth();

gUISample.h= gUISample.getContentPane().getHeight();

gUISample.mainSplitPane.setBounds(10, 50, gUISample.w- 20, gUISample.h- 80);

gUISample.mainSplitPane.setDividerLocation(0.11);

gUISample.leftSplitPane.setDividerLocation(0.25);

gUISample.rightSplitPane.setDividerLocation(0.85);

gUISample.righttopSplitPane.setDividerLocation(0.9);

gUISample.nodeProject.width

= gUISample.mainSplitPane.getDividerLocation();

gUISample.nodeProject.height

= gUISample.leftSplitPane.getDividerLocation();

gUISample.nodeProject.setBounds(0, 0

, gUISample.mainSplitPane.getDividerLocation()

, gUISample.leftSplitPane.getDividerLocation());

gUISample.nodeProject.validate();

gUISample.mainSplitPane.validate();

System.out.println(gUISample.w + "<>" + gUISample.h);

}

public void componentShown(ComponentEvent arg0) {

}

});

gUISample.addMouseListener(gUISample);

gUISample.addMouseMotionListener(gUISample);

gUISample.nodeProject.addMouseListener(gUISample);

gUISample.nodeView.addMouseListener(gUISample);

gUISample.nodeView.tree.addMouseListener(gUISample);

gUISample.nodeView.tree.addTreeSelectionListener(new TreeSelectionListener() {

public void valueChanged(TreeSelectionEvent evt) {

DefaultMutableTreeNode note

= (DefaultMutableTreeNode) gUISample.nodeView.tree

.getLastSelectedPathComponent();

String tr= null;

if(note!= null){

tr= new CacuString().cauString(note.toString());

}

if(tr!=null){

gUISample.treeNodeName= new String(tr);

gUISample.rightBotJTextPane.setText("节点名："

+ gUISample.treeNodeName);

gUISample.rightBotJTextPane.validate();

}

}

});

gUISample.menuItem.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(ActionEvent e) {

if(gUISample.treeNodeName!=null){

try {

gUISample.first.first

= gUISample.first.addNode(gUISample.first.first

, gUISample.treeNodeName, 100, 50

, gUISample.nodeView.first);

gUISample.righttopScrollPane.validate();

} catch (CloneNotSupportedException e1) {

gUISample.rightBotJTextPane.setText

(StableAnnotation.NODE\_ADD\_ERROR);

gUISample.rightBotJTextPane.validate();

} catch (InstantiationException e1) {

gUISample.rightBotJTextPane.setText

(StableAnnotation.NODE\_ADD\_ERROR);

gUISample.rightBotJTextPane.validate();

} catch (IllegalAccessException e1) {

gUISample.rightBotJTextPane.setText

(StableAnnotation.NODE\_ADD\_ERROR);

gUISample.rightBotJTextPane.validate();

} catch (IOException e1) {

gUISample.rightBotJTextPane.setText

(StableAnnotation.NODE\_ADD\_ERROR);

gUISample.rightBotJTextPane.validate();

}

gUISample.rightBotJTextPane.setText("节点名："

+ "gUISample.treeNodeName");

gUISample.rightBotJTextPane.validate();

}

}

});

gUISample.configre.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(ActionEvent e) {

LinkNode node= new LinkNode();

gUISample.first.first= Sort.sort(gUISample.first.first);

node= gUISample.first.first;

while(node!= null){

if(node.name.equals(gUISample.canvas.currentNodeName)

&& node.ID== gUISample.canvas.currentNodeID

&& node.primaryKey.equals

(gUISample.canvas.currentNodePrimaryKey)){

try {

node.thisFace.MEI\_MSU(gUISample.rightBotJTextPane

, gUISample.canvas);

node.thisFace.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_AOI\_AOD\_AOU\_AOQ\_VES

.setLocation(node.x, node.y);

node.thisFace.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_AOI\_AOD\_AOU\_AOQ\_VES

.setSize(500, 500);

node.thisFace.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_AOI\_AOD\_AOU\_AOQ\_VES

.setResizable(true);

node.thisFace.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_AOI\_AOD\_AOU\_AOQ\_VES

.scrollPane.setBounds(0, 0node.thisFace.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_AOI\_AOD\_AOU\_AOQ\_VES.getWidth()- 10node.thisFace.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_AOI\_AOD\_AOU\_AOQ\_VES.getHeight()- 45);

node.thisFace.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_AOI\_AOD\_AOU\_AOQ\_VES

.panel.setPreferredSize(new Dimension(800, 600));

node.thisFace.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_AOI\_AOD\_AOU\_AOQ\_VES

.setBackground(Color.BLUE);

node.thisFace.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_AOI\_AOD\_AOU\_AOQ\_VES

.setVisible(true);

node.thisFace.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_AOI\_AOD\_AOU\_AOQ\_VES

.validate();

new OSI.OPE.SI.MCI.OEI.OVU.PQE.extOSGI

.OSGI\_chansfer(node, gUISample.first.first);

} catch (IOException e1){

gUISample.rightBotJTextPane.setText

(StableAnnotation.NODE\_UPDATE\_ERROR);

gUISample.rightBotJTextPane.validate();

}

}

node= node.next;

}

gUISample.rightBotJTextPane.setText

(StableAnnotation.NODE\_UPDATE\_SUCCESS);

gUISample.rightBotJTextPane.validate();

}

});

gUISample.run.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(ActionEvent e) {

LinkNode node= new LinkNode();

gUISample.first.first= Sort.sort(gUISample.first.first);

node= gUISample.first.first;

while(node!= null){

if(node.name.equals(gUISample.canvas.currentNodeName)&&node.ID == gUISample.canvas.currentNodeID

&& node.primaryKey.equals(gUISample.canvas.currentNodePrimaryKey)){

try {

node.thisFace.OPE\_E(gUISample.rightBotJTextPane);

} catch (FileNotFoundException e1) {

gUISample.rightBotJTextPane.setText(StableAnnotation.NODE\_EXEC\_ERROR);

gUISample.rightBotJTextPane.validate();

} catch (IOException e1) {

gUISample.rightBotJTextPane.setText(StableAnnotation.NODE\_EXEC\_ERROR);

gUISample.rightBotJTextPane.validate();

} catch (UnsupportedAudioFileException e2) {

gUISample.rightBotJTextPane.setText(StableAnnotation.NODE\_EXEC\_ERROR);

gUISample.rightBotJTextPane.validate();

} catch (InterruptedException e3) {

gUISample.rightBotJTextPane.setText(StableAnnotation.NODE\_EXEC\_ERROR);

gUISample.rightBotJTextPane.validate();

} catch (CloneNotSupportedException e1) {

// TODO Auto-generated catch block

e1.printStackTrace();

}

}

node= node.next;

}

gUISample.rightBotJTextPane.setText(StableAnnotation.NODE\_EXEC\_SUCCESS);

gUISample.rightBotJTextPane.validate();

}

});

gUISample.show.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(ActionEvent e) {

LinkNode node= new LinkNode();

gUISample.first.first= Sort.sort(gUISample.first.first);

node= gUISample.first.first;

while(node!= null){

if(node.name.equals(gUISample.canvas.currentNodeName)&&node.ID== gUISample.canvas.currentNodeID

&& node.primaryKey.equals(gUISample.canvas.currentNodePrimaryKey)){

if(!node.thisFace.showed){

try {

node.thisFace.AVQ\_ASQ\_OVQ\_OSQ\_VSQ(gUISample.rightBotJTextPane);

node.thisFace

.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_AVQ\_ASQ\_OVQ\_OSQ\_VSQ

.setLocation(node.x, node.y);

node.thisFace

.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_AVQ\_ASQ\_OVQ\_OSQ\_VSQ

.setSize(500, 500);

node.thisFace

.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_AVQ\_ASQ\_OVQ\_OSQ\_VSQ

.setResizable(true);

node.thisFace

.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_AVQ\_ASQ\_OVQ\_OSQ\_VSQ

.scrollPane.setBounds(0, 0

, node.thisFace.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_AOI\_AOD\_AOU\_AOQ\_VES.getWidth()- 10node.thisFace.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_AOI\_AOD\_AOU\_AOQ\_VES.getHeight()- 45); node.thisFace.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_AVQ\_ASQ\_OVQ\_OSQ\_VSQ.panel.setPreferredSize(new Dimension(800, 600)); node.thisFace.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_AVQ\_ASQ\_OVQ\_OSQ\_VSQ.setVisible(true); node.thisFace.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_AVQ\_ASQ\_OVQ\_OSQ\_VSQ.validate();

} catch (Exception e1) {

//e1.printStackTrace();

gUISample.rightBotJTextPane.setText

(StableAnnotation.NODE\_INSPECT\_ERROR);

gUISample.rightBotJTextPane.validate();

}

}else{ node.thisFace.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_AVQ\_ASQ\_OVQ\_OSQ\_VSQ.setVisible(true);

}

}

node=node.next;

}

gUISample.rightBotJTextPane.setText

(StableAnnotation.NODE\_INDICATE\_SUCCESS);

gUISample.rightBotJTextPane.validate();

}

});

gUISample.dNode.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(ActionEvent e) {

LinkNode node= new LinkNode();

gUISample.first.first= Sort.sort(gUISample.first.first);

node=gUISample.first.first;

while(node!= null){

if(node.name.equals(gUISample.canvas.currentNodeName)

&& node.ID== gUISample.canvas.currentNodeID

&& node.primaryKey.equalsIgnoreCase

(gUISample.canvas.currentNodePrimaryKey)){

gUISample.first.first= gUISample.first.deletNode

(gUISample.first.first, node.name, node.ID

, node.primaryKey);

gUISample.updateRelatedLine.doUpdateRelatedLine

(gUISample.first.first, gUISample.canvas.currentNodeName

, gUISample.canvas.currentNodeID

, gUISample.canvas.currentNodePrimaryKey);

}

node= node.next;

}

gUISample.canvas.repaint();

}

});

gUISample.dLine.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(ActionEvent e) {

LinkNode node=new LinkNode();

gUISample.first.first= Sort.sort(gUISample.first.first);

node=gUISample.first.first;

while(node!=null){

if(node.beconnect&&node.name.equals

(gUISample.canvas.currentNodeName)

&& node.ID== gUISample.canvas.currentNodeID

&& node.primaryKey.equals

(gUISample.canvas.currentNodePrimaryKey)){

node.beconnect=false;

node.tBeconnect=false;

node.mBeconnect=false;

node.dBeconnect=false;

}

node= node.next;

}

gUISample.canvas.repaint();

}

});

}

}

...................................................................................................................................

我把ETL 进行新陈代谢 元基肽化后 进行了APP的引擎传值textfield 迭代来获取exception，于是老版本引擎需要new 一个app 和 分词的 analyzer，具体见尾章的demos，我会提供示例。

ThisCanvas去画面闪烁机制

最新版本的上面canvas源码已经包含了。略 另外关于函数的 新陈代谢逻辑进化编码方式 见十五章节。

1. 德塔Socket流可编程[数据库语言](https://baike.sogou.com/lemma/ShowInnerLink.htm?lemmaId=36694&ss_c=ssc.citiao.link" \t "https://baike.sogou.com/_blank)引擎系统
2. 研发说明

德塔Socket流可编程数据库语言引擎系统

起源动机

作者第一次在南京炮兵学院学习王珊的数据库概论理论基础比较扎实。作者2008 年在印度基督大学把图书馆里面所有的数据库书习题都做了一遍。作者2009 年去长沙星沙国土局报考时当时冲动了一下说自己能独立制作做数据库软件。 作者2012 年上卡拉森教授的课用oracle 感觉太大了，想要是小点多好。作者2015 年在ChinaCache（蓝讯） 用go 连接mysql，觉得很不错，如果数据库能将缓存插件化多好。。 动机强烈了。作者2016 年在亚米（yamibuy）上班时，公司发生了一起数据表误删的事件，但是作者有想法制作自动热备异常恢复的binlog 系统，但是mysql 内核闭源，作者想自己研发的动机越来越明确。2017 年作者在英特尔上班，接触了 mssql，发现索引序列和对象化编程有些冗杂，于是确定自己写了。2018 年 11 月开始正式确立这个研发计划。为了满足作者类人生命系统的记忆管理功能。

简介

德塔 Socket 流可编程数据库语言引擎系统作为 Deta 人工智能的核心组成部份主要任务就是记忆存储和管理，该数据的亮点为：一次执行多项复杂任务， 极为人性化的简易命令行 PLSQL 编程语言模型，打破现在所有传统关系数据库数据的单任务执行模式。基于双向队列的日志分析功能和命令语句执行方式和量子碎片文件存储思想，永远告别死锁。自动修复数据库，自动 rollback 异常数据操作，同时提供 rest 数据库操作接口和 plsql 命令行执行接口 2 种需求，满足各种场合的数据库操作应用。该数据库 admin 系统建立在 deta VPCS HTTP 服务器中， 整个系统启动时间 50 毫秒。有效和运维交互。

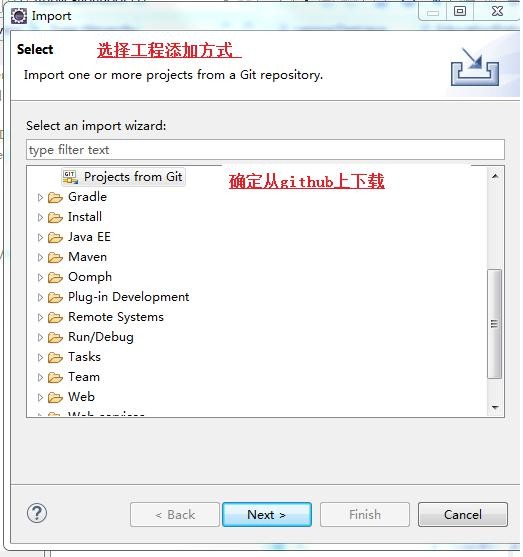
使用方法

1 下载 java 开发软件:

Eclipse: https://[www.eclipse.org/](http://www.eclipse.org/)

Intellij: <https://www.jetbrains.com/idea/>

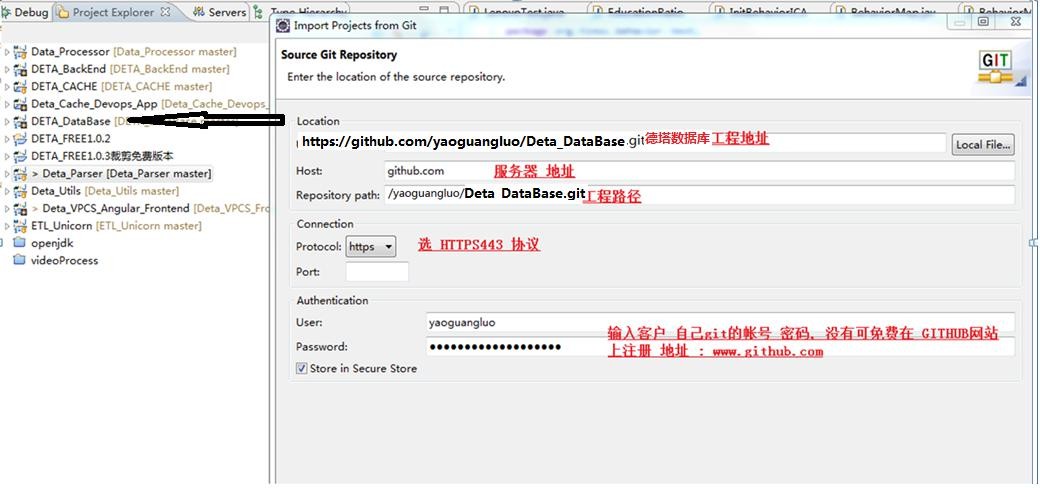
2 导入 deta 数据库 api ( API 是类库,接口 的意思, select 是选择 的意思 )



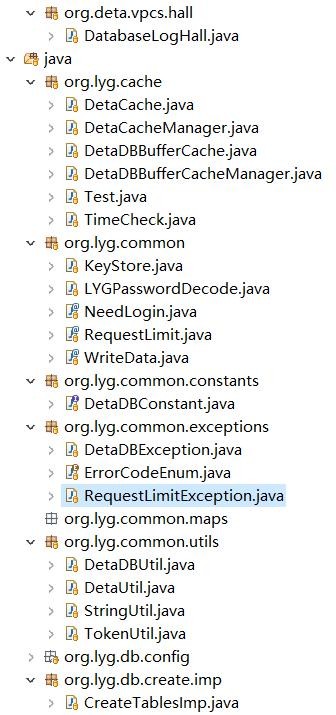
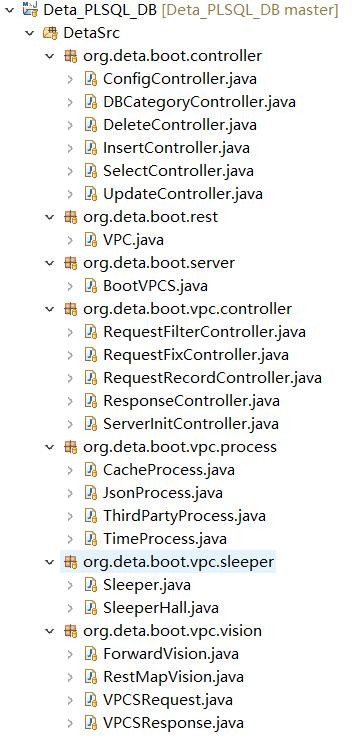
3 点 URI (uri 是互联网传输的一种协议规范关键字)

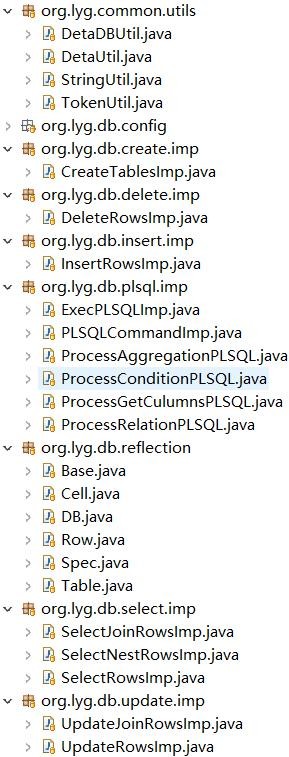
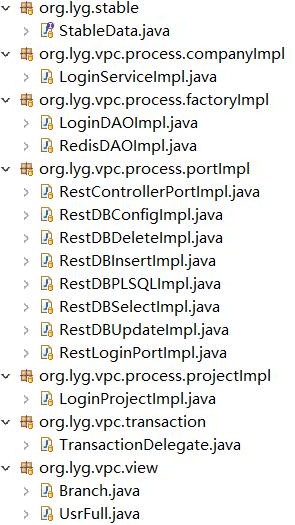


4 输入 Git 导入目标地址 (git 是版本持续化控制软件, repository 是 git 工程的下载标识, host 是远程 主机, repository path 是 git 工程 在主机上下载链接, protocol 是是通信协议, port 是端口, authentication 是密钥, user 是帐户名, password 是密码, store in secure store 是记录保存)



5 生成 eclipse 工程 因为是无插件底层源码, 所以可以自由集成为pom, gradle, web,或者general 工程模式. (POM 是xml 形式的库标识 标识, gradle 是 模板形式, web 是web 2.0 动态java 工程, general 是普通java 工程 )



6 运行例子就可以了 所有 demo 和 test 都是 可运行实例 (demo 是例子的意思, test 是测试的意思 鼠标右键,点运行就可以了.)

启动文件是：BootVPCS.java

7 可看到软件应用 例子:

<http://tinos.qicp.vip/> 的登录系统

具体重要功能展示

Deta plsql 语言语法：见副本。《Deta\_Database\_PLSQL \_V1.0 论文》

适用范围

eta 机器人记忆管理系统

Deta 复杂逻辑命令行数据库

Deta 分布式数据库大脑的记忆存储服务器节点。.

注意

该作品免费版本使用权由国际软件研发协议GPL-2.0 证书保护.

任何单位任意修改集成使用时 不但要标注Deta 公司 关键字: “浏阳德塔软件开发有限公司” 或者 “罗瑶光”, 商业发行版本 同样要开放源代码。

注意 5: 当前版本 2019-06-24 统一修改为 1.0.0, 一直在优化中,有任何bug 请直接联系作者. QQ: 2080315360

TEL: 15116110525 (tel: 电话号码)

EMAIL: [2080315360@qq.com](mailto:2080315360@qq.com) ( email: 邮件地址)

感谢

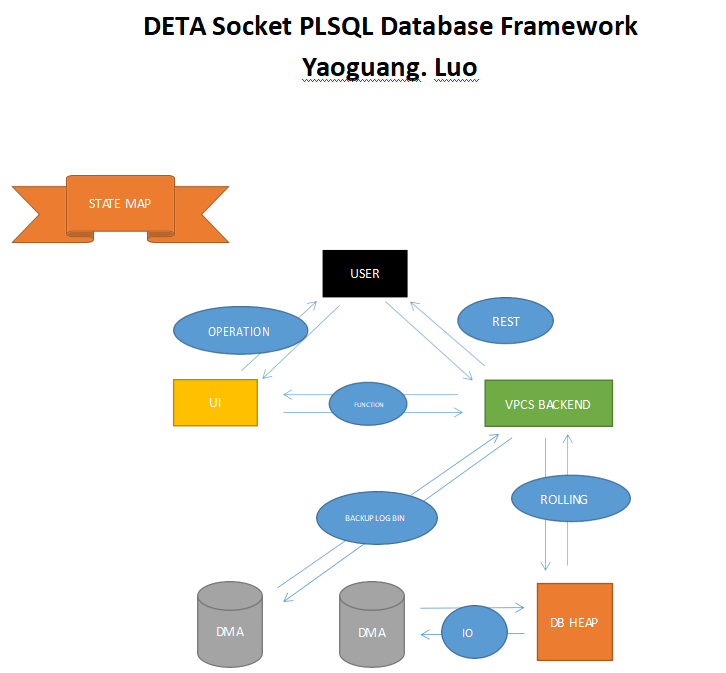
感谢中科大非对称筛子加密论文。感谢谷歌提供了gson 的json 数据格式包。感谢南京炮兵学院，印度基督大学，和加洲路德大学德数据库课题组。为作者提供了近 7 年的数据理论知识。感谢蓝讯集团，亚米，走四方，因特尔为作者提供了近 4 年的国外数据库应用管理知识。感谢印度基督大学罗锡尼教授为作者传授了扎实的数据构造理论知识。Deta 项目设计 采用 Mind Master 软件. Deta 项目研发 采用 Eclipse IDE 软件. Deta 项目测试 采用 JUNIT API 软件. Deta 项目作品 主要采用 JAVA JDK8+. 作者长期使用 微星开发机器， 联想笔记本 windows 10 操作系统开发此项目, 电脑装Avaster 杀毒软件和 360 软件保证其高效研发环境. 感谢 github 和gitee 备份, 节省了作者 大量的存储硬盘, 同时方便 查阅, 逻辑 的鼠标键盘 给作者 提供了迅捷 的输入输出 便利 .当然 电信的网络, 老爸,老妈, 都要感谢的.

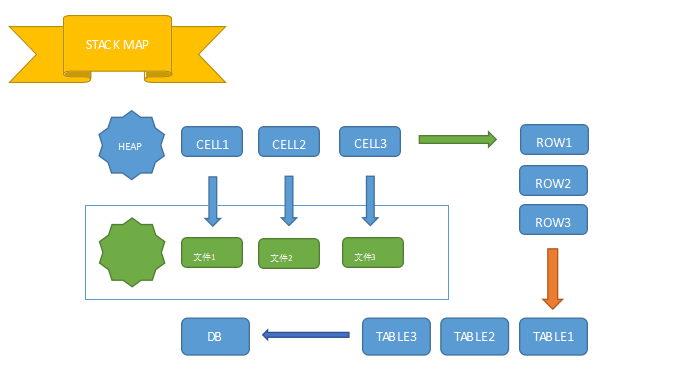
研发需要清单

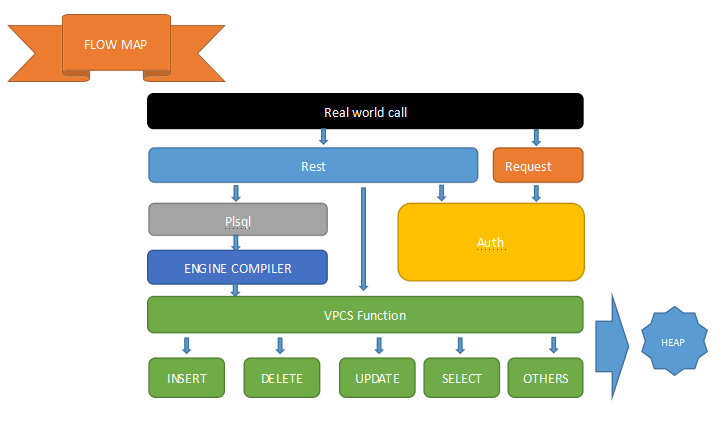
Java 编辑器.Jdk8+. Java 虚拟机运行环境.Junit 测试包.一台连网的电脑.

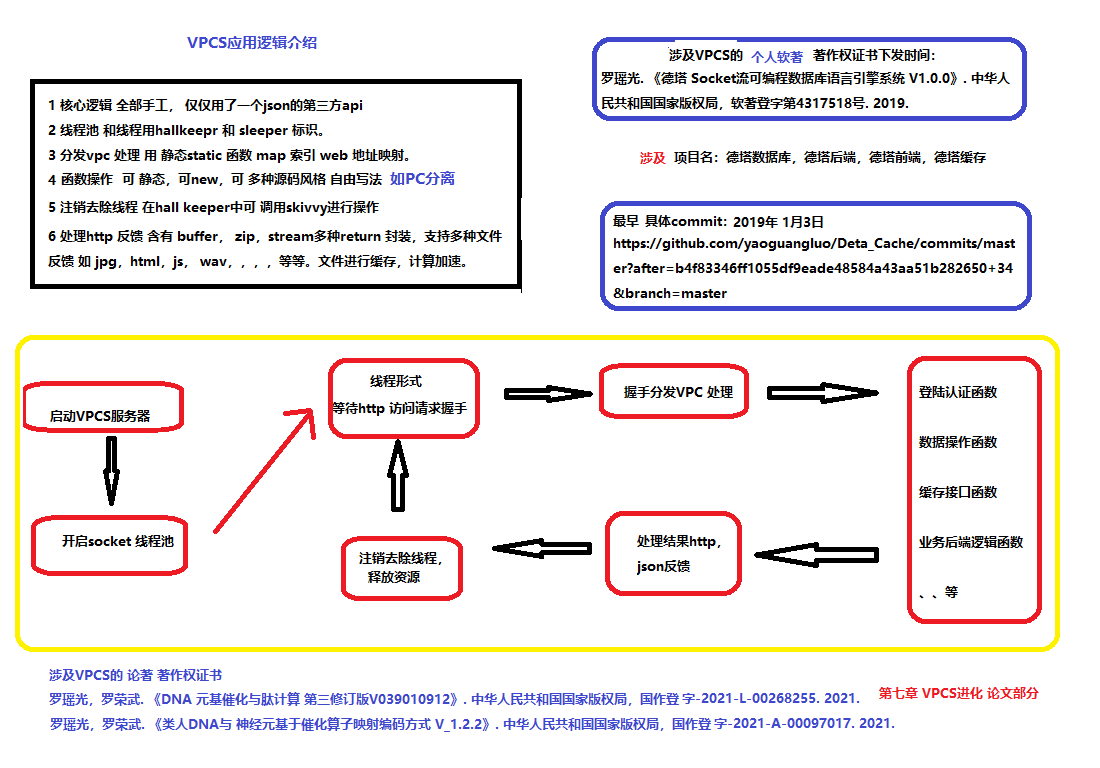
第二节 研发笔记

DETASocketPLSQLDatabaseFramework









DETADatabasePLSQL

***Outline:*** *this document paper makes a pretty explanation of how does DETA database works by using PLSQL Method. At the same time, I will spend more care about the DETA PLSQL runs in the command line or rest call service, with a lot of real world samples.*

DETAPLSQLCommands

* **setRoot**:[path];
* **baseName**:[baseName];
* **tableName**:[tableName]:[operation];

##### **getCulumns**:[difinition1]:[difinition2]:[difinition3]:[difinition4]:[difinition5] ;

* **culumnName**:[culumnName]:[dataType];
* **changeCulumnName**:[newCulumnName]:[oldCulumnName];
* **culumnValue**:[culumnName]:[culumnValue];

##### **condition**:[operation]:[difinition1]:[difinition2]:[difinition3] ;

* **join**:[baseName]:[tableName];
* **relation**[operation]:[difinition1]:[difinition2]:[difinition3] ;
* **aggregate**[operation]:[difinition1]:[difinition2]:[difinition3] ;

CommandsDefinition

**setRoot:[path];**

The setRoot:[path]; is mostly used for set the database path.

**baseName:[baseName];**

The baseName:[baseName]; is mostly used for set the current database name in the PLSQL language compiler system.

**tableName:[tableName]:[operation];**

The tableName:[tableName]'[operation]; is mostly used for set the current table name in current database with the operations. For example tableName:tableName:select; this command will tell PLSQL system, now begin to do the select function section.

**getCulumns:[difinition1]:[difinition2]:[difinition3]:[difinition4]:[difinition5] ;**

The getCulumns:[difinition1]:[difinition2]:[difinition3]:[difinition4]:[difinition5]:......; mostly be used for select columns.

**culumnName:[culumnName]:[dataType];**

The culumnName:[culumnName]:[dataType]; mostly be used for create the table columns.

**changeCulumnName:[oldCulumnName]:[newCulumnName];**

The changeCulumnName:[newCulumnName]:[oldCulumnName]; mostly be used for change the table columns.

**culumnValue:[culumnName]:[culumnValue];**

The culumnValue:[culumnName]:[culumnValue]; mostly be used for update the columns value.

**condition:[operation]:[difinition1]:[difinition2]:[difinition3]:...;**

The condition:[operation]:[difinition1]:[difinition2]:[difinition3]:...; mostly be used for

**join:[baseName]:[tableName];**

The join:[baseName]:[tableName]; mostly be used for select and update of delete with conditions.

**relation[operation]:[difinition1]:[difinition2]:[difinition3]:...;**

The relation[operation]:[difinition1]:[difinition2]:[difinition3]:...; mostly be used for join section condition

**aggregate[operation]:[difinition1]:[difinition2]:[difinition3]:...;**

The aggregate[operation]:[difinition1]:[difinition2]:[difinition3]:...; mostly be used for limit, sort or addition operations.

CommandSamples

select samples

tableName:test:select;

condition:or:testCulumn1|<|20:testCulumn2|==|fire;

condition:and:testCulumn1|>|100:testCulumn2|==|fire;

select where in samples

setRoot:C:/DetaDB;

baseName:backend;

tableName:usr:select;

condition:or:u\_id|in|3,4,5;

select join samples

tableName:utest:select;

condition:or:testCulumn1|<|20:testCulumn2|==|fire;

condition:and:testCulumn1|>|100:testCulumn2|==|fire; join:stest;

relation:or:uid|==|sid:ussd|==|sssd; relation:and:utoken|=!|stoken:umap|==|smap;

select join samples

tableName:utest:select;

condition:or:utestCulumn1|<|20:utestCulumn2|==|fire;

condition:and:utestCulumn1|>|100:utestCulumn2|==|fire;

getCulumns:utestCulumn1|as|uid::utestCulumn2|as|ussd:utoken:umap;

join:backend:stest;

condition:and:stestCulumn1|>|100:stestCulumn2|==|fire;

getCulumns:stestCulumn1|as|sid|:stestCulumn2|as|sssd:stoken:smap;

relation:or:uid|==|sid:ussd|==|sssd;

relation:and:utoken|=!|stoken:umap|==|smap;

aggregation:limit:2|~|10;

insert samples tableName:test:

insert; culumnValue:date0:19850525;

culumnValue:date1:19850526;

culumnValue:date2:19850527;

culumnValue:date3:19850528;

culumnValue:date4:19850529;

update samples

tableName:test:update;

condition:or:testCulumn1|<|20:testCulumn2|==|fire;

condition:and:testCulumn1|>|100:testCulumn2|==|fire;

culumnValue:date0:19850525;

culumnValue:date1:19850526;

update samples

tableName:test:update;

condition:or:testCulumn1|<|20:testCulumn2|==|fire;

condition:and:testCulumn1|>|100:testCulumn2|==|fire;

join:backend:utest;

condition:and:uCulumn3|<|20;

relation:and:testCulumn1|==|uCulumn1:testCulumn2|!=|uCulumn2;

culumnValue:date0:19850525;

culumnValue:date1:19850526;

delete samples

tableName:test:delete;

condition:or:testCulumn1|<|20:testCulumn2|==|fire;

condition:and:testCulumn1|>|100:testCulumn2|==|fire;

create samples

tableName:test:create;

culumnName:pk:culumn1:string;

culumnName:uk:culumn1:long;

culumnName:uk:culumn1:obj;

culumnName:nk:culumn1:double;

drop samples

tableName:test:drop;

change samples

tableName:test:change;

changeCulumnName:oldCulumnName:newCulumnName;

RealWorldSamplesByUsingDETAPLSQLDatabase

setRoot:C:/DetaDB;

baseName:backend;

tableName:usr:select;

condition:or:u\_id|<=|3:u\_id|>|7;

condition:and:u\_email|!equal|321:u\_name|!equal|123;

getCulumns:u\_id|as|detaId:u\_email|as|detaEmail;

join:backend:usrToken;

condition:and:u\_level|equal|low;

getCulumns:u\_id|as|sId:u\_level:u\_password|as|SSID;

relation:and:detaId|==|sId;

aggregation:limit:0|~|1;

Compare Tranditioanl SQL:

SELECT u.u\_id as detaId，u.u\_email as detaEmail, t.u\_id as sId，t.u\_level，t.u\_password as SSID

FROM usr as U

INNER JOIN (SELECT t.u\_id as sId，t.u\_level，t.u\_password as SSID

FROM usrToken as t

WHERE t.u\_level equal "low") AS B on U.detaId == B.sId;

WHERE (u.u\_id <=3 || u.u\_id>7 ) && (u.u\_email !equal '321' && u.u\_name !equal 123);

LIMIT 0,1;

Acknowledgement

The DETA PLSQL database system source code link:

<https://github.com/yaoguangluo/DETA_DataBase>

Logbin

第三节 研发源码

ConfigController, 控制类

package OSI.AOP.MS.VPC.C;

import java.util.Map;

import OP.SM.AOP.MEC.SIQ.VPC.PP.port.E.RestDBConfig\_E;

import SVQ.stable.StableWeb;

import PEU.P.map.\*;

public class Config\_C {

public static String exec(String string, Map<String, String> data)

throws Exception {

if(string.equalsIgnoreCase(StableWeb.REST\_PATH\_SET\_DB\_PATH)){

return VtoV.ObjectToJsonString(RestDBConfig\_E.setDBPath(data

.get("baseName")

, data.get("baseName"), data.get("baseName")));

}

if(string.equalsIgnoreCase(StableWeb.REST\_PATH\_SET\_DB\_TABLE)){

return VtoV.ObjectToJsonString(RestDBConfig\_E.setDBTable(data

.get("tableName")

, data.get("token"), data.get("auth")));

}

return "";

}

}

DBCategoryController, 控制类

package OSI.AOP.MS.VPC.C;

import java.util.Map;

import OP.SM.AOP.MEC.SIQ.VPC.PP.port.E.Rest\_C\_Port\_E;

import SVQ.stable.StableWeb;

import PEU.P.map.\*;

public class DBCategory\_C {

public static String exec(String string, Map<String, String> data)

throws Exception {

if(string.equalsIgnoreCase(StableWeb.REST\_GET\_DB\_CATEGORY)){

return VtoV.ObjectToJsonString(Rest\_C\_Port\_E

.getDBCategory(data.get(StableWeb.DB\_BASE\_NAME)

, data.get(StableWeb.LOGIN\_TOKEN),data

.get(StableWeb.LOGIN\_AUTH)));

}

if(string.equalsIgnoreCase(StableWeb.REST\_GET\_ALL\_DB\_CATEGORY)){

return VtoV.ObjectToJsonString(Rest\_C\_Port\_E

.getAllDBCategory(data.get(StableWeb.LOGIN\_TOKEN)

, data.get(StableWeb.LOGIN\_AUTH)));

}

return StableWeb.STRING\_EMPTY;

}

}

DeleteController, 控制类

package OSI.AOP.MS.VPC.C;

import java.util.Map;

import OP.SM.AOP.MEC.SIQ.VPC.PP.port.E.RestDB\_DE;

import SVQ.stable.StableWeb;

import PEU.P.map.\*;

public class DC {

public static String exec(String string, Map<String, String> data)

throws Exception {

if(string.equalsIgnoreCase(StableWeb.REST\_PATH\_DELETE\_ROWS\_BY\_TABLE\_PATH\_AND\_INDEX)){

return VtoV.ObjectToJsonString(RestDB\_DE

.deleteRowByTablePathAndIndex(data.get("tablePath")

, data.get("pageIndex"), data.get("token")

, data.get("email"), data.get("password"), data.get("auth")));

}

return StableWeb.STRING\_EMPTY;

}

}

InsertController, 控制类

package OSI.AOP.MS.VPC.C;

import java.util.Map;

import OP.SM.AOP.MEC.SIQ.VPC.PP.port.E.RestDB\_IUE;

import SVQ.stable.StableWeb;

import PEU.P.map.\*;

public class IUC {

public static String exec(String string, Map<String, String> data)

throws Exception {

if(string.equalsIgnoreCase(StableWeb.REST\_PATH\_INSERT\_ROW\_BY\_BASE\_NAME)){

return VtoV.ObjectToJsonString(RestDB\_IUE

.insertRowByBaseName(data.get("baseName")

, data.get("tableName"), data.get("culumnOfNewRow")

, data.get("token"), data.get("email")

, data.get("password"), data.get("auth")));

}

if(string.equalsIgnoreCase(StableWeb.REST\_PATH\_INSERT\_ROW\_BY\_TABLE\_PATH)){

return VtoV.ObjectToJsonString(RestDB\_IUE

.insertRowByTablePath(data.get("tablePath")

, data.get("pageIndex"), data.get("culumnOfNewRow")

, data.get("token"), data.get("email")

, data.get("password"), data.get("auth")));

}

return StableWeb.STRING\_EMPTY;

}

}

SelectController, 控制类

//stable函数见 第一章的stable data

package OSI.AOP.MS.VPC.C;

import java.util.Map;

import OP.SM.AOP.MEC.SIQ.VPC.PP.port.E.RestDB\_QE;

import SVQ.stable.StableWeb;

import PEU.P.map.\*;

public class QC {

public static String exec(String string, Map<String, String> data)

throws Exception {

if(string.equalsIgnoreCase(StableWeb.REST\_PATH\_SELECT\_ROWS\_BY\_ATTRIBUTE)){

return VtoV.ObjectToJsonString(RestDB\_QE

.selectRowsByAttribute(data.get("baseName")

, data.get("tableName"), data.get(StableShellETL.SHELL\_ETL\_CULUMNNAME)

, data.get("value"), data.get("token")

, data.get("email"), data.get("password"), data.get("auth")));

}

if(string.equalsIgnoreCase(StableWeb.REST\_PATH\_SELECT\_ROWS\_BY\_TABLE\_PATH)){

return VtoV.ObjectToJsonString(RestDB\_QE

.selectRowsByTablePath(data.get("tablePath")

, data.get("pageBegin"), data.get("pageEnd")

, data.get("direction"), data.get("token")

, data.get("email"), data.get("password"), data.get("auth")));

}

return StableWeb.STRING\_EMPTY;

}

}

UpdateController, 控制类

package OSI.AOP.MS.VPC.C;

import java.util.Map;

import OP.SM.AOP.MEC.SIQ.VPC.PP.port.E.RestDB\_UE;

import SVQ.stable.StableWeb;

import PEU.P.map.\*;

public class UC {

public static String exec(String string, Map<String, String> data)

throws Exception {

if(string.equalsIgnoreCase(StableWeb.REST\_PATH\_UPDATE\_ROW\_BY\_TABLE\_PATH\_AND\_INDEX)){

return VtoV.ObjectToJsonString(RestDB\_UE

.updateRowByTablePathAndIndex(data.get("tablePath")

, data.get("pageIndex"), data.get("culumnOfUpdateRow")

, data.get("token"), data.get("email")

, data.get("password"), data.get("auth")));

}

return StableWeb.STRING\_EMPTY;

}

}

VPC, 事务类

package OSI.AOP.MS.VPC.rest;

import java.io.File;

import java.io.IOException;

import java.util.Map;

import ME.APM.VSQ.App;

import OP.SM.AOP.MEC.SIQ.VPC.PP.port.E.RestDBPLSQL\_E;

import OP.SM.AOP.MEC.SIQ.VPC.PP.port.E.RestLoginPort\_E;

import SVQ.stable.StableWeb;

import OSI.AOP.MS.VPC.C.Config\_C;

import OSI.AOP.MS.VPC.C.DBCategory\_C;

import OSI.AOP.MS.VPC.C.DC;

import OSI.AOP.MS.VPC.C.IUC;

import OSI.AOP.MS.VPC.C.QC;

import OSI.AOP.MS.VPC.C.UC;

import OSI.AOP.rest.medicine.RestMedicinePort\_E;

import PEU.P.map.\*;

public class VPC {

public static String forward(App app, String string, Map<String, String> data)

throws Exception {

//controller

if(string.contains(StableWeb.REST\_PATH\_SELECT)){

return QC.exec(string, data);

}

if(string.contains(StableWeb.REST\_PATH\_SETDB)){

return Config\_C.exec(string, data);

}

if(string.contains(StableWeb.REST\_PATH\_INSERT)){

return IUC.exec(string, data);

}

if(string.contains(StableWeb.REST\_PATH\_DELETE)){

return DC.exec(string, data);

}

if(string.contains(StableWeb.REST\_PATH\_UPDATE)){

return UC.exec(string, data);

}

if(string.contains(StableWeb.REST\_PATH\_DB\_CATEGORY)){

return DBCategory\_C.exec(string, data);

}

//plsql

if(string.equalsIgnoreCase(StableWeb.REST\_PATH\_EXEC\_DETA\_PLSQL)){

return VtoV.ObjectToJsonString(RestDBPLSQL\_E.restDBPLSQLImpl(data

.get("token") ,data.get("email"), data.get("password"), data.get("auth")

, data.get("LYGQuery"), data.get("mod")));

}

//restMap

if(string.equalsIgnoreCase(StableWeb.REST\_PATH\_LOGIN)){

return VtoV.ObjectToJsonString(RestLoginPort\_E.login(data.get("uEmail")

, data.get("uPassword")));

}

if(string.equalsIgnoreCase(StableWeb.REST\_PATH\_FIND)){

return VtoV.ObjectToJsonString(RestLoginPort\_E.find(data.get("uEmail")));

}

if(string.equalsIgnoreCase(StableWeb.REST\_PATH\_LOGOUT)){

return VtoV.ObjectToJsonString(RestLoginPort\_E.logout(data.get("uEmail")

, data.get("uToken")));

}

if(string.equalsIgnoreCase(StableWeb.REST\_PATH\_REGISTER)){

return VtoV.ObjectToJsonString(RestLoginPort\_E.register(data.get("uEmail")

, data.get("uEmailEnsure")

, data.get("uName"), data.get("uPassword"), data.get("uPassWDEnsure")

, data.get("uAddress")

, data.get("uPhone"), data.get("uWeChat"), data.get("uQq"), data.get("uAge")

, data.get("uSex")));

}

if(string.equalsIgnoreCase(StableWeb.REST\_PATH\_CHANGE)){

return VtoV.ObjectToJsonString(RestLoginPort\_E.change(data.get("uEmail")

, data.get("uChange")

, data.get("uChangeEnsure"),data.get("uToken"), data.get("uPassword")));

}

if(string.equalsIgnoreCase(StableWeb.REST\_PATH\_CHECK\_STATUS)){

return VtoV.ObjectToJsonString(RestLoginPort\_E.checkStatus(data.get("token")));

}

if(string.equalsIgnoreCase(StableWeb.REST\_PATH\_MEDICINEZY)){

return VtoV.ObjectToJsonString(RestMedicinePort\_E.getMedicineBookFeedbackZY(app, data.get("medicine")));

}

if(string.equalsIgnoreCase(StableWeb.REST\_PATH\_MEDICINEXY)){

return VtoV.ObjectToJsonString(RestMedicinePort\_E.getMedicineBookFeedbackXY(app, data.get("medicine")));

}

if(string.equalsIgnoreCase(StableWeb.REST\_PATH\_MEDICINEZT)){

return VtoV.ObjectToJsonString(RestMedicinePort\_E.getMedicineBookFeedbackZT(app, data.get("medicine")));

}

if(string.equalsIgnoreCase(StableWeb.REST\_PATH\_MEDICINEXT)){

return VtoV.ObjectToJsonString(RestMedicinePort\_E.getMedicineBookFeedbackXT(app, data.get("medicine")));

}

if(string.equalsIgnoreCase(StableWeb.REST\_PATH\_MEDICINEYT)){

return VtoV.ObjectToJsonString(RestMedicinePort\_E.getMedicineBookFeedbackYT(app, data.get("medicine")));

}

if(string.equalsIgnoreCase(StableWeb.REST\_PATH\_SEARCH)){

return VtoV.ObjectToJsonString(RestMedicinePort\_E.doSearch(app, data.get("word")));

}

return StableWeb.STRING\_EMPTY;

}

public static String getCode(String filePath) throws IOException{

if(filePath.contains(StableWeb.FILE\_HTML)||filePath.contains(StableWeb.FILE\_JS)){

return "UTF-8";

}

return "GBK";

}

public static String getFilePath(String string) {

String root = new File("src/main/resources/static").getAbsolutePath().replace("\\", "/");

if(string.equalsIgnoreCase("")||string.equalsIgnoreCase("/")){

string = "/index.html";

}

return root + string;

}

}

BootVPCS, 事务类

package OSI.AOP.MS.VPC.server;

import java.io.IOException;

import ME.APM.VSQ.App;

import OSI.AOP.MSV.PCS.controller.ServerInit\_C;

public class BootVPCS {

public static void main(App app, String[] args) throws IOException {

ServerInit\_C.initServer(app);

}

}

RequestFilterController, 控制类

package OSI.AOP.MS.VPC.server;

import java.io.BufferedReader;

import java.io.File;

import java.io.FileInputStream;

import java.io.IOException;

import java.io.InputStreamReader;

import java.net.InetAddress;

import java.net.Socket;

import java.util.Map;

import java.util.concurrent.ConcurrentHashMap;

@SuppressWarnings("unused")

public class RequestFilter\_C {

static Map<String, Boolean> ipBlock;

public static void main(String[] args){

}

public static void requestIpFilter(Socket socket) {

// TODO Auto-generated method stub

}

public static void requestLinkFilter(Socket socket) {

// TODO Auto-generated method stub

}

public static void requestIpFilter(VPCSRequest vPCSRequest, VPCSResponse vPCSResponse) throws IOException {

//过滤block

if(ipBlock.containsKey(vPCSRequest.getRequestIp())){

vPCSResponse.returnErrorCode(403);

}

//同源csrf

if(vPCSRequest.getRequestIp().equalsIgnoreCase(InetAddress.getLocalHost().getHostAddress())){

//vPCSResponse.returnErrorCode(405);

}

}

public static void requestLinkFilter(VPCSRequest vpcsRequest, VPCSResponse vPCSResponse) throws IOException {

// //限制ddos

// String ipCount = DetaDBUtil.cacheRequest("get?key=" + vpcsRequest.getRequestIp() + "&email="

// + "313 om" + "&password=" + "Fen 5!");

//

// if(null == ipCount){

// DetaDBUtil.cacheRequest("put?key=" + vpcsRequest.getRequestIp() + "&value=" + "1" + "&time="

// + (2000+System.currentTimeMillis()) + "&email=" + "313699483@qq.com" + "&password=" + "Fengyue1985!");

// }else if(ipCount.contains("unsuccess")){

// DetaDBUtil.cacheRequest("put?key=" + vpcsRequest.getRequestIp() + "&value=" + "1" + "&time="

// + (2000+System.currentTimeMillis()) + "&email=" + "3136 q.com" + "&password=" + "Feng 85!");

// }else if(Integer.valueOf(ipCount) <= 30){

// int digit = Integer.valueOf(ipCount) + 1;

// DetaDBUtil.cacheRequest("put?key=" + vpcsRequest.getRequestIp() + "&value=" + digit + "&time="

// + 0 + "&email=" + "3136 om" + "&password=" + "Fe 5!");

// }else{

// vPCSResponse.returnErrorCode(400);

// }

}

//先注释掉 之后测试 20210405 罗瑶光

//DB在此处出错后能能DMA读写了. 罗瑶光 20210406 稍后进行block list函数设计 优先级降低

public static void IV\_BlockList() throws IOException {

ipBlock = new ConcurrentHashMap<>();

// FileInputStream fileInputStream = new FileInputStream(

// new File("src/main/resources/ipBlock.ips"));

// InputStreamReader inputStreamReader = new InputStreamReader(fileInputStream, "UTF-8");

// BufferedReader bufferedReader = new BufferedReader(inputStreamReader);

// String line = null;

// while ((line = bufferedReader.readLine()) != null) {

// ipBlock.put(line, true);

// }

// bufferedReader.close();

}

}

RequestFixController, 控制类

package OSI.AOP.MS.VPC.server;

import java.net.Socket;

public class RequestFix\_C {

public static void main(String[] args){

}

public static void requestIpFix(Socket socket) {

}

public static void requestLinkFix(Socket socket) {

}

public static void requestIpFix(VPCSRequest vPCSRequest

, VPCSResponse vPCSResponse) {

}

public static void requestLinkFix(VPCSRequest vPCSRequest

, VPCSResponse vPCSResponse) {

}

}

RequestRecordController, 控制类

package OSI.AOP.MS.VPC.server;

import java.io.BufferedReader;

import java.io.InputStreamReader;

import java.net.URLDecoder;

import java.util.Map;

import java.util.concurrent.ConcurrentHashMap;

import SVQ.stable.StablePOS;

import SVQ.stable.StableWeb;

public class RequestRecord\_C {

public static void requestIpRecoder(VPCSRequest vPCSRequest, VPCSResponse vPCSResponse) {

vPCSRequest.I\_RequestIp(vPCSResponse.getSocket().getInetAddress().getHostAddress());

vPCSRequest.I\_RequestName(vPCSResponse.getSocket().getInetAddress().getHostName());

}

public static void requestLinkRecoder(VPCSRequest vPCSRequest, VPCSResponse vPCSResponse)

throws Exception {

BufferedReader br = new BufferedReader(new InputStreamReader(vPCSResponse.getSocket()

.getInputStream(), StableWeb.CHARSET\_GBK));

String mess = br.readLine();

if(null == mess){

vPCSResponse.returnErrorCode(StableWeb.HTTP\_400);

return;

}

if(mess.equalsIgnoreCase(StableWeb.STRING\_EMPTY)){

vPCSResponse.returnErrorCode(StableWeb.HTTP\_400);

return;

}

String[] type = mess.split(StableWeb.STRING\_SPACE);

if(type.length < StablePOS.INT\_TWO){

vPCSResponse.returnErrorCode(StableWeb.HTTP\_500);

return;

}

String[] content = type[StablePOS.INT\_ONE].split(StableWeb.STRING\_SLASH\_QUESTION);

if(content.length == StablePOS.INT\_TWO){

vPCSRequest.I\_RequestIsRest(true);

if(content[StablePOS.INT\_ONE] == null){

vPCSResponse.returnErrorCode(StableWeb.HTTP\_500);

return;

}

}

if(content[StablePOS.INT\_ZERO].contains(StableWeb.STRING\_QUATE)){

// vPCSRequest.I\_RequestIsRest(false);

}

if(vPCSRequest.getRequestIsRest()){

String[] column = content[StablePOS.INT\_ONE].split(StableWeb.STRING\_JUNCTION);

Map<String, String> data = new ConcurrentHashMap<>();

for(String cell:column){

String[] cells = cell.split(StableWeb.MATH\_EQUAL);

data.put(cells[StablePOS.INT\_ZERO], URLDecoder.decode(cells[StablePOS.INT\_ONE]

, StableWeb.CHARSET\_UTF\_8));

}

vPCSRequest.I\_RequestValue(data);

}

vPCSRequest.I\_RequestLink(content[StablePOS.INT\_ZERO]);

}

}

ResponseController, 控制类

package OSI.AOP.MS.VPC.server;

import java.io.IOException;

import java.io.PrintWriter;

import java.net.Socket;

import MS.VPC.SH.Sleeper\_H;

public class Response\_C {

public static void main(String[] args){

}

@SuppressWarnings("unused")

private static void error404(Socket socket, Sleeper\_H sleeper\_H

, Integer sId) throws IOException {

PrintWriter pw=new PrintWriter(socket.getOutputStream(),true);

pw.println("HTTP/1.1 404 OK\n\n");

pw.flush();

pw.close();

socket.close();

sleeper\_H.D\_ThreadById(sId);

return;

}

@SuppressWarnings("unused")

private static void error500(Socket socket, Sleeper\_H sleeper\_H

, Integer sId) throws IOException {

PrintWriter pw=new PrintWriter(socket.getOutputStream(),true);

pw.println("HTTP/1.1 500 OK\n\n");

pw.flush();

pw.close();

socket.close();

sleeper\_H.D\_ThreadById(sId);

return;

}

}

ServerInitController, 控制类

package OSI.AOP.MS.VPC.server;

import java.io.IOException;

import java.net.ServerSocket;

import javax.swing.JTextPane;

import ME.APM.VSQ.App;

import MS.OP.SM.AOP.MEC.SIQ.cache.DetaDBBufferCache\_M;

import MS.VPC.PP.Time\_P;

import MS.VPC.SH.Sleeper;

import MS.VPC.SH.Sleeper\_H;

//import OM.config.Config;

import SVQ.stable.StableHTTP;

import SVQ.stable.StableWeb;

import OSI.AOP.MS.VPC.S.hall.DatabaseLog\_H;

import VPC.VQS.DSU.utils.DetaUtil;

public class ServerInit\_C {

private static ServerSocket server;

//private static Properties properties;

private static int port;

private static String dbConfigPath;

// private App app;

// static {

// //properties = new Properties();

//// try {

//// properties.load(new FileInputStream

//// (new File("src/main/resources/property.proterties")));

//// System.out.println("----德塔VPCS数据库服务器资源载入:成功！");

//// }catch (IOException e) {

//// e.printStackTrace();

//// }

// }

public void IV\_Service(JTextPane jTextPane, String 前端接口Txt) throws IOException {

try {

//port= Integer.parseInt(properties.getProperty(StableData.TCP\_PORT));

port= Integer.valueOf(前端接口Txt);

//port= Config.detaVPCSDBPort;

server= new ServerSocket(port);

System.out.println("----德塔VPCS数据库服务器端口启动:" + port);

if(jTextPane!= null) {

String text= jTextPane.getText();

text="\r\n"+ "----德塔VPCS数据库服务器端口启动:" + port+ text;

text="\r\n"+ "..."+ text;

jTextPane.setText(text);

}

if(null!= dbConfigPath && !dbConfigPath.isEmpty()) {

dbConfigPath.replace("\\", "/"); //支持 linux reg 格式

DetaUtil.IV\_DB(dbConfigPath);

}else {

dbConfigPath= "C:/DBconfig.lyg";

DetaUtil.IV\_DB(dbConfigPath);

}

System.out.println("----德塔VPCS数据库服务器DMA确认:成功！");

if(jTextPane!= null) {

String text= jTextPane.getText();

text="\r\n"+ "----德塔VPCS数据库服务器DMA确认:成功！"+ text;

text="\r\n"+ "...";

jTextPane.setText(text);

}

RequestFilter\_C.IV\_BlockList();

System.out.println("----德塔VPCS数据库服务器IP过滤服务启动:成功！");

if(jTextPane!= null) {

String text= jTextPane.getText();

text="\r\n"+ "----德塔VPCS数据库服务器IP过滤服务启动:成功！"+ text;

text="\r\n"+ "...";

jTextPane.setText(text);

}

DetaDBBufferCache\_M.reflection();

System.out.println("----德塔VPCS数据库服务器启动整库过程映射服务:成功！");

if(jTextPane!= null) {

String text= jTextPane.getText();

text="\r\n"+ "----德塔VPCS数据库服务器启动整库过程映射服务:成功！"+ text;

text="\r\n"+ "...";

jTextPane.setText(text);

}

DatabaseLog\_H.I\_BinLog\_H();

System.out.println("----德塔VPCS数据库服务器启动整库过程映射服务:成功！");

if(jTextPane!= null) {

String text= jTextPane.getText();

text="\r\n"+ "----德塔VPCS数据库服务器启动整库过程映射服务:成功！"+ text;;

text="\r\n"+ "...";

jTextPane.setText(text);

}

// BootBackup.bootBackupByUsingGzip(Cache\_M

//.getCacheInfo("LogPath").getValue().toString()+"/zipCover");

// UnZip.unZipWithPath("C:/DetaLog/zipCover/zip\_1549583065203.zip"

//, "C:/DetaLog/zipCover/cover");

} catch (Exception e) {

e.printStackTrace();

}

}

private void haoHiYooFaker(Sleeper\_H sleeper\_H) {

sleeper\_H.callSkivvy();

}

public void IV\_Server(App app) throws IOException {

dbConfigPath= app.dbConfigPath;

System.out.println("----DETA VPCS--2.0");

System.out.println("----Author: 罗瑶光");

System.out.println("----浏阳德塔软件开发有限公司开源项目");

if(app.appConfig.SectionJPanel.jTextPane!= null) {

String text= app.appConfig.SectionJPanel.jTextPane.getText();

text="\r\n"+ "载入德塔 PLSQL数据库 映射添加完毕！"+ text;

text="\r\n"+ "----Author: 罗瑶光"+ text;

text="\r\n"+ "----浏阳德塔软件开发有限公司开源项目"+ text;

text="\r\n"+ "..."+ text;

app.appConfig.SectionJPanel.jTextPane.setText(text);

}

Time\_P time\_P= new Time\_P();

time\_P.begin();

Sleeper\_H sleeper\_H = new Sleeper\_H();

IV\_Service(app.appConfig.SectionJPanel.jTextPane, app.数据库接口Txt);

time\_P.end();

if(app.appConfig.SectionJPanel.jTextPane!= null) {

String text= app.appConfig.SectionJPanel.jTextPane.getText();

text="\r\n"+ "----德塔VPCS数据库服务器启动一切正常-总耗时:"

+ time\_P.duration()+ "毫秒"+ text;

text="\r\n"+ "..."+ text;

app.appConfig.SectionJPanel.jTextPane.setText(text);

}

System.out.println("----德塔VPCS数据库服务器启动一切正常-总耗时:"

+ time\_P.duration()+ "毫秒");

app.ready= true;

while(true){

if(sleeper\_H.getThreadsCount()< StableWeb.SLEEPERS\_RANGE){

Sleeper sleeper= new Sleeper(app, StableHTTP.PORT\_DATABASE);

try {

sleeper.hugPillow(sleeper\_H, server.accept()

, sleeper.hashCode());

sleeper.start();

} catch (IOException e) {

e.printStackTrace();

}

}else {

haoHiYooFaker(sleeper\_H);

}

}

}

}

Sleeper, 事物类

package MS.VPC.SH;

import java.io.IOException;

import ME.APM.VSQ.App;

import MS.VPC.V.Forward\_V;

import MS.VPC.V.RestMap\_V;

import OSI.AOP.MS.VPC.server.RequestFilter\_C;

import OSI.AOP.MS.VPC.server.RequestFix\_C;

import OSI.AOP.MS.VPC.server.RequestRecord\_C;

import OSI.AOP.MS.VPC.server.ServerSleeper\_Standard;

import OSI.AOP.MS.VPC.server.VPCSRequest;

import OSI.AOP.MS.VPC.server.VPCSResponse;

//这是标准的sleepr函数，我稍后会设计 frontend sleeper，backend sleeper ，cache sleeper， database sleeper 继承它， 避免循环嵌套。

//开始vpcs 继承，方便之后新陈代谢元基肽化

//罗瑶光 20210811

public class Sleeper extends ServerSleeper\_Standard implements Runnable{

// public VPCSRequest vPCSRequest;

// public VPCSResponse vPCSResponse;

private App app;

public Sleeper(App app){

this.app= app;

vPCSRequest= new VPCSRequest();

vPCSResponse= new VPCSResponse();

vPCSResponse.I\_HashCode(this.hashCode());

}

public Sleeper(App app, String port){

this.app= app;

vPCSRequest= new VPCSRequest();

vPCSRequest.I\_RequestPort(port);

vPCSResponse= new VPCSResponse();

vPCSResponse.I\_HashCode(this.hashCode());

}

// public Sleeper(String port){

// vPCSRequest= new VPCSRequest();

// vPCSRequest.I\_RequestPort(port);

// vPCSResponse= new VPCSResponse();

// vPCSResponse.I\_HashCode(this.hashCode());

// }

//

// //合并

// public Sleeper(){

// vPCSRequest= new VPCSRequest();

// vPCSResponse= new VPCSResponse();

// vPCSResponse.I\_HashCode(this.hashCode());

// }

public void run(){

try{

RequestRecord\_C.requestIpRecoder(vPCSRequest, vPCSResponse);

if(vPCSResponse.getSocket().isClosed()) {

return;

}

RequestRecord\_C.requestLinkRecoder(vPCSRequest, vPCSResponse);

if(vPCSResponse.getSocket().isClosed()) {

return;

}

RequestFilter\_C.requestIpFilter(vPCSRequest, vPCSResponse);

if(vPCSResponse.getSocket().isClosed()) {

return;

}

RequestFilter\_C.requestLinkFilter(vPCSRequest, vPCSResponse);

if(vPCSResponse.getSocket().isClosed()) {

return;

}

RequestFix\_C.requestIpFix(vPCSRequest, vPCSResponse);

if(vPCSResponse.getSocket().isClosed()) {

return;

}

RequestFix\_C.requestLinkFix(vPCSRequest, vPCSResponse);

if(vPCSResponse.getSocket().isClosed()) {

return;

}

Forward\_V.IQ\_ForwardType(vPCSRequest, vPCSResponse);

if(vPCSResponse.getSocket().isClosed()) {

return;

}

Forward\_V.forwardToRestMap(app, vPCSRequest, vPCSResponse);

if(vPCSResponse.getSocket().isClosed()) {

return;

}

RestMap\_V.IQ\_Response(vPCSRequest, vPCSResponse);

if(vPCSResponse.getSocket().isClosed()) {

return;

}

RestMap\_V.returnResponse(vPCSRequest, vPCSResponse);

if(vPCSResponse.getSocket().isClosed()) {

return;

}

}catch(Exception e){

try {

vPCSResponse.returnErrorCode(500);

e.printStackTrace();

} catch (IOException e1) {

System.gc();

e1.printStackTrace();

}

}

}

}

SleeperHall, 事务类

package MS.VPC.SH;

import java.util.Map;

import java.util.concurrent.ConcurrentHashMap;

import OSI.AOP.MS.VPC.server.ServerSleeper\_Standard;

public class Sleeper\_H{

private Map<Integer, ServerSleeper\_Standard> sleepersMap;

public Sleeper\_H(){

sleepersMap= new ConcurrentHashMap<>();

}

public int getThreadsCount() {

return sleepersMap.size();

}

// public void I\_E\_Sleeper(Integer sid, Sleeper sleeper) {

// sleepersMap.put(sid, sleeper);

// }

public void I\_E\_Sleeper(Integer sid, ServerSleeper\_Standard sleeper) {

sleepersMap.put(sid, sleeper);

}

public void D\_ThreadById(Integer sid) {

if(sleepersMap.containsKey(sid)){

sleepersMap.remove(sid);

}

}

public void callSkivvy() {

sleepersMap.clear();

System.gc();

}

}

ForwardVision, 事务类

package MS.VPC.V;

import ME.APM.VSQ.App;

import OSI.AOP.MS.VPC.server.ServerForward\_Standard;

import OSI.AOP.MS.VPC.server.VPCSRequest;

import OSI.AOP.MS.VPC.server.VPCSResponse;

import SVQ.stable.StableHTTP;

import SVQ.stable.StableWeb;

//import OSI.AOP.VPC.PP.port\_E.RestLoginPort\_E;

//import PEU.P.map.VtoV;

//合并 数据库和 前端的 vison文件

//罗瑶光 20210730

public class Forward\_V extends ServerForward\_Standard{

public static void forwardToRestMap(App app, VPCSRequest vPCSRequest

, VPCSResponse vPCSResponse) throws Exception {

if(null== vPCSRequest || null== vPCSRequest.getRequestForwardType()){

vPCSResponse.return404();

return;

}

if(vPCSRequest.getRequestForwardType().equalsIgnoreCase(StableWeb.STREAM\_REST)){

//与其设计个sleeper继承，不如在这里设计个condition函数， 然后根据port识别 来继承这个condition 就是了。， 罗瑶光 20210730

if(vPCSRequest.getRequestPort().equals(StableHTTP.PORT\_DATABASE)) {

RestMap\_V.P\_RestDB(app, vPCSRequest, vPCSResponse);

}else {

RestMap\_V.P\_Rest(app, vPCSRequest, vPCSResponse);

}

}

if(vPCSRequest.getRequestForwardType().equalsIgnoreCase(StableWeb.STREAM\_BYTES)){

RestMap\_V.P\_Bytes(vPCSRequest, vPCSResponse);

}

if(vPCSRequest.getRequestForwardType().equalsIgnoreCase(StableWeb.STREAM\_BUFFER)){

RestMap\_V.P\_Buffer(vPCSRequest, vPCSResponse);

}

if(vPCSRequest.getRequestForwardType().equalsIgnoreCase(StableWeb.STREAM\_BYTES\_BUFFER)){

RestMap\_V.P\_BufferBytes(vPCSRequest, vPCSResponse);

}

if(vPCSRequest.getRequestForwardType().equalsIgnoreCase(StableWeb.STREAM\_BYTES\_WITHOUT\_ZIP)){

RestMap\_V.P\_BytesWithoutZip(vPCSRequest, vPCSResponse);

}

}

}

RestMapVision, 事务类

package MS.VPC.V;

import java.io.BufferedWriter;

import java.io.OutputStreamWriter;

import java.io.PrintWriter;

import ME.APM.VSQ.App;

import SVQ.stable.StablePOS;

import SVQ.stable.StableWeb;

import OSI.AOP.MS.VPC.server.ServerRestMap\_Standard;

import OSI.AOP.MS.VPC.server.VPCSRequest;

import OSI.AOP.MS.VPC.server.VPCSResponse;

import OSI.AOP.VPC.rest.VPC;

//这里出现了VPC的标识,让走四方看清楚,我有很多方法来继承,我就不用走四方的那种. VPCS 的STABLE就可以解决

//是不是我写的.

public class RestMap\_V extends ServerRestMap\_Standard {

public static void P\_Rest(App app, VPCSRequest vPCSRequest, VPCSResponse vPCSResponse) throws Exception {

//VPC属于子继承, 如果不用 overrider 来分配, 也有很多方法, 如osgi, 当然,我现在用最快map标识,更爽.

//indexVPCMapPillows.get(vPCSRequest.gettag())...;

//现在仅仅deta的网站处理服务器有web页, 养疗经app还没有涉及, 因此 pillow tag 区分VPC 函数的rest map 设计优先级稍后

String output= VPC.forward(app, vPCSRequest.getRequestLink()

, vPCSRequest.getRequestValue());

output= output.length()> 0? output:" ";

PrintWriter printWriter= new PrintWriter(new BufferedWriter(new OutputStreamWriter(vPCSResponse.getSocket()

.getOutputStream(),StableWeb.CHARSET\_UTF\_8)),true);

printWriter.println(StableWeb.HEADER\_HTTP\_200\_OK\_DOUBLE\_ENTER);

output=output.charAt(StablePOS.INT\_ZERO)=='"'?output.substring(StablePOS.INT\_ONE, output.length())

:output; output=output.charAt(output.length()-StablePOS.INT\_ONE)=='"'?output.substring(StablePOS.INT\_ZERO

, output.length()-StablePOS.INT\_ONE):output;

printWriter.println(output.replace("\\\"","\""));

System.out.println("db:"+4);

printWriter.flush();

printWriter.close();

vPCSResponse.getSleeper\_H().D\_ThreadById(vPCSResponse.getSocket().hashCode());

}

public static void P\_RestDB(App app, VPCSRequest vPCSRequest, VPCSResponse vPCSResponse) throws Exception {

//VPC属于子继承, 如果不用 overrider 来分配, 也有很多方法, 如osgi, 当然,我现在用最快map标识,更爽.

//indexVPCMapPillows.get(vPCSRequest.gettag())...;

//现在仅仅deta的网站处理服务器有web页, 养疗经app还没有涉及, 因此 pillow tag 区分VPC 函数的rest map 设计优先级稍后

String output= VPC.forwardDB(app, vPCSRequest.getRequestLink().replace("//","/")

, vPCSRequest.getRequestValue());

output= output.length()> 0? output: " ";

PrintWriter printWriter= new PrintWriter(new BufferedWriter(new OutputStreamWriter(vPCSResponse.getSocket()

.getOutputStream(),StableWeb.CHARSET\_UTF\_8)),true);

printWriter.println(StableWeb.HEADER\_HTTP\_200\_OK\_DOUBLE\_ENTER); output=output.charAt(StablePOS.INT\_ZERO)=='"'?output.substring(StablePOS.INT\_ONE, output.length()):output;

output=output.charAt(output.length()-StablePOS.INT\_ONE)=='"'?output.substring(StablePOS.INT\_ZERO, output.length()-StablePOS.INT\_ONE):output;

printWriter.println(output.replace("\\\"","\""));

System.out.println("db:"+4);

printWriter.flush();

printWriter.close();

vPCSResponse.getSleeper\_H().D\_ThreadById(vPCSResponse.getSocket().hashCode());

}

}

VPCSResponse, 事务类

package OSI.AOP.MS.VPC.server;

import java.io.IOException;

import java.io.PrintWriter;

import java.net.Socket;

import MS.VPC.SH.Sleeper\_H;

public class VPCSResponse{

public Socket getSocket() {

return socket;

}

public void I\_Socket(Socket socket) {

this.socket = socket;

}

public Sleeper\_H getSleeper\_H() {

return sleeper\_H;

}

public void I\_Sleeper\_H(Sleeper\_H sleeper\_H) {

this.sleeper\_H = sleeper\_H;

}

public Integer getHashCode() {

return hashCode;

}

public void I\_HashCode(Integer hashCode) {

this.hashCode = hashCode;

}

public int getErrorCode() {

return errorCode;

}

public void I\_ErrorCode(int errorCode) {

this.errorCode = errorCode;

}

public String getResponseContentType() {

return ResponseContentType;

}

public void I\_ResponseContentType(String responseContentType) {

ResponseContentType = responseContentType;

}

private Socket socket;

private Sleeper\_H sleeper\_H;

private Integer hashCode;

private int errorCode;

private String ResponseContentType;

public void return404() throws IOException {

if(socket.isClosed()) {

this.sleeper\_H.D\_ThreadById(this.hashCode);

return;

}

PrintWriter pw = new PrintWriter(this.socket.getOutputStream(), true);

pw.println("HTTP/1.1 404 OK\n\n");

pw.flush();

pw.close();

socket.close();

this.sleeper\_H.D\_ThreadById(this.hashCode);

}

public void returnErrorCode(Integer errorCode) throws IOException {

if(socket.isClosed()) {

this.sleeper\_H.D\_ThreadById(this.hashCode);

return;

}

PrintWriter pw = new PrintWriter(this.socket.getOutputStream(), true);

pw.println("HTTP/1.1 " + errorCode + " OK\n\n");

pw.flush();

pw.close();

socket.close();

this.sleeper\_H.D\_ThreadById(this.hashCode);

}

}

DatabaseLogHall, 日志类

package OSI.AOP.MS.VPC.S.hall;

import java.io.BufferedReader;

import java.io.File;

import java.io.FileReader;

import java.io.FileWriter;

import java.io.IOException;

import ME.SM.OP.SM.AOP.MEC.SIQ.E.E\_PLSQL\_E;

import SVQ.stable.StableWeb;

import PEU.P.cache.\*;

import PEU.P.zip.\*;

@SuppressWarnings("unused")

public class DatabaseLog\_H {

static String logCategoryPath;

static String logCurrentFilePath;

static String logCurrentFile;

public static void I\_BinLog\_H() throws Exception {

//db write operation

IV\_LogCategoryPath();

IV\_CurrentFilePath();

//write error rollback

//binlog

}

private static void IV\_CurrentFilePath() {

long yearMonthDay = System.currentTimeMillis();

long day = yearMonthDay/(1000 \* 60 \* 60 \* 24);

logCurrentFilePath = logCategoryPath + "/log/logger" + day + ".det";

}

private static void IV\_LogCategoryPath() throws Exception {

if(null != Cache\_M.getCacheInfo("DBPath")) {

logCategoryPath = Cache\_M.getCacheInfo("DBPath").getValue().toString();

}else {

throw new Exception();

}

}

public static void writeLogFile(long when, String who, String plsql) {

Q\_CurrentFileRange();

//zip text string and write; im thinking about a new method to make string write small.

String logString ="#@:" + when + "@:" + who + "@:" + plsql;

FileWriter fw = null;

try {

fw = new FileWriter(logCurrentFilePath, true);

fw.write("\n\r\n");

fw.write(new String(GzipUtil.compress(logString.getBytes(StableWeb.CHARSET\_UTF8))

, StableWeb.CHARSET\_UTF8));

// fw.write(logString);

fw.close();

} catch (IOException e) {

e.printStackTrace();

}

}

private static void Q\_CurrentFileRange() {

long yearMonthDay = System.currentTimeMillis();

long day = yearMonthDay/(1000 \* 60 \* 60 \* 24);

String willMakeFile = logCategoryPath + "/log/logger" + day + ".det";

String willMakeFilePath = logCategoryPath + "/log";

File file = new File(willMakeFile);

File fileWillMakeFilePath = new File(willMakeFilePath);

if(!fileWillMakeFilePath.exists()) {

fileWillMakeFilePath.mkdirs();

//dont make new for this class, will get memory leakage

}

if(!file.exists()) {

//dont make new for this class, will get memory leakage

logCurrentFilePath = willMakeFile;

}

//if currentfiletime - currenttime > 1 day

//if currentfilesize > 100mb will make discussion later,now just make one file per day.

//makenew file;

}

private static void coverageByTime(long time) throws Exception {

// 1删除已损坏的数据库 已完成

File needClear = new File("C:/DetaDB");

needClear.delete();

// 2解压备份数据库 已完成

UnZip.unZipWithPath("C:/DetaLog/zipCover/zip\_1549583065203.zip", "C:/DetaLog/zipCover/cover");

// 3循环执行备份plsql命令，直到等于大于时间戳完成返回。

BufferedReader reader = new BufferedReader(new FileReader("C:/DetaLog/log/logger.det"));

String tempString;

while ((tempString = reader.readLine()) != null) {

//解gzip压缩并执行数据库恢复

tempString = new String(GzipUtil.uncompress(tempString.getBytes(StableWeb.CHARSET\_UTF8))

, StableWeb.CHARSET\_UTF8);

long currentTime =Long.valueOf(tempString.split("@:")[1]);

if(currentTime < time) {//逐条恢复到点。

E\_PLSQL\_E.E\_PLSQL(tempString.split("@:")[3], true);

}

}

reader.close();

}

}

DetaCacheManager, 日志类

package MS.OP.SM.AOP.MEC.SIQ.cache;

import java.util.Iterator;

import java.util.List;

import java.util.concurrent.ConcurrentHashMap;

public class DetaCache\_M {

private static ConcurrentHashMap<String, DetaCache> cacheMap = new ConcurrentHashMap<>();

private static ConcurrentHashMap<String, List<byte[]>> bytesMap = new ConcurrentHashMap<>();

private static ConcurrentHashMap<String, String> stringMap = new ConcurrentHashMap<>();

private DetaCache\_M() {

super();

}

public static String putCache(String key, String value, long timeOut){

DetaCache c = new DetaCache();

c.I\_Value(value);

c.I\_TimeOut(timeOut);

cacheMap.put(key, c);

return "success";

}

public static String getCache(String key){

DetaCache c = cacheMap.get(key);

if(null==c){

return "unsuccess nofind cache";

}

long now = System.currentTimeMillis();

if(c.getTimeOut() < now){

cacheMap.remove(key);

return "unsuccess timeout";

}

return c.getValue();

}

@SuppressWarnings("rawtypes")

public static Iterator getCacheIterator(){

return cacheMap.entrySet().iterator();

}

public static void putCacheOfBytesList(String filePath, List<byte[]> list) {

bytesMap.put(filePath, list);

}

public static List<byte[]> getCacheOfBytesList(String filePath) {

if(bytesMap.containsKey(filePath)){

return bytesMap.get(filePath);

}

return null;

}

public static String getCacheOfString(String filePath) {

if(stringMap.containsKey(filePath)){

return stringMap.get(filePath);

}

return null;

}

public static void putCacheOfString(String filePath, String stringBuilder) {

stringMap.put(filePath, stringBuilder);

}

}

DetaDBBufferCacheManager, 数据类

package MS.OP.SM.AOP.MEC.SIQ.cache;

import java.io.BufferedReader;

import java.io.File;

import java.io.FileNotFoundException;

import java.io.FileReader;

import java.io.IOException;

import java.util.concurrent.ConcurrentHashMap;

import OP.SM.AOP.MEC.SIQ.SM.reflection.Base;

import OP.SM.AOP.MEC.SIQ.SM.reflection.Cell;

import OP.SM.AOP.MEC.SIQ.SM.reflection.DB;

import OP.SM.AOP.MEC.SIQ.SM.reflection.Row;

import OP.SM.AOP.MEC.SIQ.SM.reflection.Spec;

import OP.SM.AOP.MEC.SIQ.SM.reflection.Table;

import PEU.P.cache.\*;

@SuppressWarnings("unused")

public class DetaDBBufferCache\_M {

public static DB db = new DB();

public static boolean dbCache = false;

private DetaDBBufferCache\_M() {

super();

}

public static void reflection() throws IOException {

ConcurrentHashMap<String, Base> bases= new ConcurrentHashMap<>();

db.I\_Bases(bases);

//1获取db路径；

String dBPath= Cache\_M.getCacheInfo("DBPath").getValue().toString();

File fileDBPath= new File(dBPath);

if (fileDBPath.isDirectory()) {

String[] baseNames= fileDBPath.list();

for(int i= 0; i< baseNames.length; i++) {

loopBases(db, dBPath, baseNames[i]);

}

}

dbCache = true;

}

private static void loopBases(DB db, String dBPath, String baseName) throws IOException {

Base base = new Base();

ConcurrentHashMap<String, Table> tables= new ConcurrentHashMap<>();

base.I\_Tables(tables);

String dBasePath = dBPath + "/" + baseName;

//get base

File fileDBasePath = new File(dBasePath);

if (fileDBasePath.isDirectory()) {

ConcurrentHashMap<String, Object> tableMap= new ConcurrentHashMap<>();

//get tables

String[] tableNames = fileDBasePath.list();

for(int i = 0; i < tableNames.length; i++) {

loopTables(base, dBasePath, tableNames[i]);

}

}

db.putBase(baseName, base);

}

private static void loopTables(Base base, String dBasePath, String tableName) throws IOException {

Table table = new Table();

String tablePath = dBasePath + "/" + tableName;

File fileTablePath = new File(tablePath);

if (fileTablePath.isDirectory()) {

String specPath = tablePath + "/spec";

String rowsPath = tablePath + "/rows";

loopSpec(table,specPath);

loopRows(table,rowsPath);

}

base.putTable(tableName, table);

}

private static void loopSpec(Table table, String specPath) throws IOException {

Spec spec = new Spec();

ConcurrentHashMap<String, String> culumnTypes = new ConcurrentHashMap<>();

spec.I\_CulumnTypes(culumnTypes);

File fileSpecPath = new File(specPath);

if (fileSpecPath.isDirectory()) {

String[] specs = fileSpecPath.list();

for(int i = 0; i < specs.length; i++) {

String specCulumnPath = specPath + "/" + specs[i];

String specCulumnValuePath = specCulumnPath + "/value.lyg";

//if get

BufferedReader reader = new BufferedReader(new FileReader(specCulumnPath + "/" + "value.lyg"));

String temp = "";

String tempString = "";

while ((tempString = reader.readLine()) != null) {

temp += tempString;

}

reader.close();

spec.I\_CulumnType(specs[i], temp);

}

}

table.I\_Spec(spec);

}

private static void loopRows(Table table, String rowsPath) throws IOException {

ConcurrentHashMap<String, Row> rows = new ConcurrentHashMap<>();

table.I\_Rows(rows);

File fileRowsPath = new File(rowsPath);

if (fileRowsPath.isDirectory()) {

String[] rowIndex = fileRowsPath.list();

for(int i = 0; i < rowIndex.length; i++) {

loopRow(table, fileRowsPath, rowIndex[i]);

}

}

}

private static void loopRow(Table table, File fileRowsPath, String rowIndex) throws IOException {

Row row = new Row();

ConcurrentHashMap<String, Cell> cells = new ConcurrentHashMap<>();

row.I\_Cells(cells);

String rowIndexPath = fileRowsPath + "/" + rowIndex;

File fileRowPath = new File(rowIndexPath);

if (fileRowPath.isDirectory()) {

String[] culumns = fileRowPath.list();

for(int i = 0; i < culumns.length; i++) {

String rowCulumnPath = rowIndexPath + "/" + culumns[i];

String rowCulumnValuePath = rowCulumnPath + "/value.lyg";

//if get

if(!culumns[i].contains("is\_delete")) {

BufferedReader reader = null;

try {

reader = new BufferedReader(new FileReader(rowCulumnValuePath));

}catch(Exception e){

e.printStackTrace();

}

String temp = "";

String tempString = "";

while ((tempString = reader.readLine()) != null) {

temp += tempString;

}

reader.close();

Cell cell = new Cell();

cell.I\_CellValue(temp);

row.putCell(culumns[i], cell);

}else {

Cell cell = new Cell();

cell.I\_CellValue("");

row.putCell(culumns[i], cell);

}

}

}

table.putRow(rowIndex, row);;

}

}

DetaDBUtil, 数据类

package VPC.VQS.DSU.utils;

import java.io.BufferedReader;

import java.io.IOException;

import java.io.InputStreamReader;

import java.net.HttpURLConnection;

import java.net.URL;

import java.util.Map;

import java.util.concurrent.ConcurrentHashMap;

import SVQ.stable.StableHTTP;

public class DetaDBUtil {

public static Map<String, Boolean> culumnType;

public static String DBRequest(String request) throws IOException {

URL url = new URL("http://localhost:"+ StableHTTP.PORT\_DATABASE

+ "/"+ request);//之后我会用stable 定接口

HttpURLConnection conn = (HttpURLConnection) url.openConnection();

conn.setRequestMethod("POST");

conn.setConnectTimeout(20000);

conn.setRequestProperty("Accept", "application/json");

if (conn.getResponseCode() != 200) {

throw new RuntimeException("Failed : HTTP error code : "

+ conn.getResponseCode());

}

BufferedReader br

= new BufferedReader(new InputStreamReader((conn.getInputStream()),"UTF-8"));

String out = "";

String out1;

while ((out1 = br.readLine()) != null) {

out += out1;

}

conn.disconnect();

return out;

}

public static String backEndRequest(String request) throws IOException {

URL url = new URL("http://localhost:"+ StableHTTP.PORT\_BACKEND+ "/"+ request);

HttpURLConnection conn = (HttpURLConnection) url.openConnection();

conn.setRequestMethod("POST");

conn.setRequestProperty("Accept", "application/json");

if (conn.getResponseCode() != 200) {

throw new RuntimeException("Failed : HTTP error code : "

+ conn.getResponseCode());

}

BufferedReader br

= new BufferedReader(new InputStreamReader((conn.getInputStream()),"UTF-8"));

String out = "";

String out1;

while ((out1 = br.readLine()) != null) {

out += out1;

}

conn.disconnect();

return out;

}

public static String cacheRequest(String request) throws IOException {

URL url = new URL("http://localhost:"+ StableHTTP.PORT\_CACHE+ "/"+ request);

HttpURLConnection conn = (HttpURLConnection) url.openConnection();

conn.setRequestMethod("POST");

conn.setRequestProperty("Accept", "application/json;charset=utf-8");

conn.setRequestProperty("Content-Type", "application/json;charset=utf-8");

if (conn.getResponseCode() != 200) {

throw new RuntimeException("Failed : HTTP error code : "

+ conn.getResponseCode());

}

BufferedReader br

= new BufferedReader(new InputStreamReader((conn.getInputStream()),"UTF-8"));

String out = "";

String out1;

while ((out1 = br.readLine()) != null) {

out += out1;

}

conn.disconnect();

return out;

}

public static void IV\_CulumnNameType() {

culumnType = new ConcurrentHashMap<>();

culumnType.put("int", true);

culumnType.put("long", true);

culumnType.put("double", true);

culumnType.put("string", true);

culumnType.put("objectJPG", true);

culumnType.put("objectPDF", true);

culumnType.put("objectPNG", true);

culumnType.put("objectMP4", true);

culumnType.put("objectAVI", true);

culumnType.put("objectGIF", true);

culumnType.put("objectGIF", true);

}

public static boolean withoutCulumnNameType(String culumnTypeString) {

if(!culumnType.containsKey(culumnTypeString)) {

return true;

}

return false;

}

}

DetaUtil, 数据类

package VPC.VQS.DSU.utils;

import java.io.BufferedReader;

import java.io.File;

import java.io.FileNotFoundException;

import java.io.FileReader;

import java.io.FileWriter;

import java.io.IOException;

import PEU.P.cache.\*;

//import cacheProcessor.Cache;

//import cacheProcessor.Cache\_M;

public class DetaUtil {

public static void IV\_DB(String dbConfigPath){

File config = new File(dbConfigPath);

if (config.exists()) {

try {

BufferedReader reader = new BufferedReader(new FileReader(config));

String tempString;

while ((tempString = reader.readLine()) != null) {

Cache c = new Cache();

c.I\_Value(tempString.split("->")[1]);

Cache\_M.putCache("DBPath", c);

File fileDBPath = new File(tempString.split("->")[1]);

if (fileDBPath.isDirectory()) {

}else {

fileDBPath.mkdir();

}

}

reader.close();

} catch (FileNotFoundException e) {

e.printStackTrace();

} catch (IOException e) {

e.printStackTrace();

}

}else {

FileWriter fw = null;

try {

fw = new FileWriter(dbConfigPath, true);

fw.write("path->" + "C:/DetaDB");

fw.close();

File fileDBPath = new File("C:/DetaDB");

if (fileDBPath.isDirectory()) {

}else {

fileDBPath.mkdir();

}

Cache c = new Cache();

c.I\_Value("C:/DetaDB");

Cache\_M.putCache("DBPath", c);

} catch (IOException e) {

e.printStackTrace();

}

}

}

}

CreateTablesImp, 数据类

package MSI.OP.SM.AOP.MEC.SIQ.SM.OSI.E;

import java.io.File;

import java.io.FileWriter;

import java.util.Iterator;

import java.util.List;

import java.util.Map;

import PEU.P.cache.\*;

import SVQ.stable.StableShellETL;

import VPC.VQS.DSU.utils.DetaDBUtil;

@SuppressWarnings("unchecked")

public class I\_Tables\_E {

public static void I\_Table(Map<String, Object> object, boolean mod) throws Exception {

if(!object.containsKey("baseName")||!object.containsKey("tableName")){

return;

}

//get base

String DBPath = Cache\_M.getCacheInfo("DBPath").getValue().toString() + "/" + object.get("baseName").toString();

File DBPathFile = new File(DBPath);

if(!DBPathFile.isDirectory()) {

return;

}

//make table dir

String tablePath = DBPath + "/" + object.get("tableName").toString();

File tablePathFile = new File(tablePath);

if(tablePathFile.exists()) {

return;

}

//make spec dir

tablePathFile.mkdirs();

String tableSpecPath= tablePath + "/spec";

String tableRowsPath= tablePath + "/rows";

File tableSpecPathFile= new File(tableSpecPath);

File tableRowsPathFile= new File(tableRowsPath);

tableSpecPathFile.mkdir();

tableRowsPathFile.mkdir();

//make data

List<String[]> culumnNames = (List<String[]>) object.get(StableShellETL.SHELL\_ETL\_CULUMNNAME);

Iterator<String[]> iterator = culumnNames.iterator();

while(iterator.hasNext()) {

String[] culumnDefinition = iterator.next();

//create name

String culumnNamePath=tableSpecPath + "/" + culumnDefinition[2];

File culumnNameFile = new File(culumnNamePath);

if(DetaDBUtil.withoutCulumnNameType(culumnDefinition[3])) {

throw new Exception();

}

culumnNameFile.mkdir();

//create file

File file = new File(culumnNamePath + "/value.lyg");

if(file.exists()) {

throw new Exception();

}

if(mod) {

FileWriter fw = null;

fw = new FileWriter(file, true);

fw.write(culumnDefinition[3]);

fw.close();

}

}

}

}

DeleteRowsImp, 数据类

package MSD.OP.SM.AOP.MEC.SIQ.SM.OSD.E;

import java.io.File;

import java.io.FileNotFoundException;

import java.io.IOException;

import java.util.HashMap;

import java.util.Iterator;

import java.util.List;

import java.util.Map;

import MS.OP.SM.AOP.MEC.SIQ.cache.DetaDBBufferCache\_M;

import MSQ.OP.SM.AOP.MEC.SIQ.SM.OSQ.E.Q\_Rows\_E;

import OP.SM.AOP.MEC.SIQ.SM.reflection.Table;

import PEU.P.cache.\*;

import SVQ.stable.StableShellETL;

public class D\_Rows\_E {

public static Map<String, Object> deleteRowByTablePathAndIndex(String tablePath, String pageIndex, boolean mod)

throws FileNotFoundException, IOException {

int rowInsertIndex = Integer.valueOf(pageIndex);

File fileDBTable = new File(tablePath);

if (fileDBTable.isDirectory()) {

String DBTableRowsPath = tablePath + "/rows";

File fileDBTableRowsPath = new File(DBTableRowsPath);

if (fileDBTableRowsPath.isDirectory()) {

String DBTableRowIndexPath = DBTableRowsPath + "/row" + rowInsertIndex ;

File readDBTableRowIndexFile = new File(DBTableRowIndexPath);

if (readDBTableRowIndexFile.exists()) {

readDBTableRowIndexFile.mkdir();

String needCreatCulumnPath0 = DBTableRowIndexPath + "/is\_delete\_0";

File needCreatCulumn0 = new File(needCreatCulumnPath0);

if(mod) {

needCreatCulumn0.delete();

}

String needCreatCulumnPath = DBTableRowIndexPath + "/is\_delete\_1";

File needCreatCulumn = new File(needCreatCulumnPath);

if(mod) {

needCreatCulumn.mkdir();

}

}

}

}

Map<String, Object> output = new HashMap<>();

output.put("totalPages", rowInsertIndex);

String[] sets = tablePath.split("/");

String baseName = sets[sets.length-2];

String tableName = sets[sets.length-1];

String indexName = "row"+pageIndex;

Table table = DetaDBBufferCache\_M.db.getBase(baseName).getTable(tableName);

if(mod) {

table.D\_Row(indexName);

}

return output;

}

@SuppressWarnings({"unchecked"})

public static void D\_RowByAttributesOfCondition(Map<String, Object> object, boolean mod) throws IOException {

if(!object.containsKey("baseName")||!object.containsKey("tableName")){

return;

}

//get base

String DBPath = Cache\_M.getCacheInfo("DBPath").getValue().toString() + "/" + object.get("baseName").toString();

File DBPathFile = new File(DBPath);

if(!DBPathFile.isDirectory()) {

return;

}

//make table dir

String tablePath = DBPath + "/" + object.get("tableName").toString();

List<Map<String, Object>> obj = (List<Map<String, Object>>) Q\_Rows\_E.selectRowsByAttributesOfCondition(object);

Iterator<Map<String, Object>> iterator = obj.iterator();

while(iterator.hasNext()) {

Map<String, Object> row = iterator.next();

Map<String, Object> rowValue = (Map<String, Object>) row.get(StableShellETL.SHELL\_ETL\_ROWVALUE);

Map<String, Object> indexCell = (Map<String, Object>) rowValue.get("Index");

String indexValue = indexCell.get("culumnValue").toString();

deleteRowByTablePathAndIndex(tablePath, indexValue, mod);

//delete buffer also

// DetaDBBufferCache\_M.db.getBase(object.get("baseName").toString()).getTable(object.get("tableName")

// .toString()).removeRow(indexValue);

}

}

}

InsertRowsImp, 数据类

package MSI.OP.SM.AOP.MEC.SIQ.SM.OSU.E;

import java.io.File;

import java.io.FileNotFoundException;

import java.io.FileWriter;

import java.io.IOException;

import java.util.HashMap;

import java.util.Iterator;

import java.util.List;

import java.util.Map;

import java.util.concurrent.ConcurrentHashMap;

import org.json.JSONObject;

import MS.OP.SM.AOP.MEC.SIQ.cache.DetaDBBufferCache\_M;

import OP.SM.AOP.MEC.SIQ.SM.reflection.Cell;

import OP.SM.AOP.MEC.SIQ.SM.reflection.Row;

import OP.SM.AOP.MEC.SIQ.SM.reflection.Table;

import PEU.P.cache.\*;

@SuppressWarnings("unchecked")

public class IU\_Rows\_E {

public static Map<String, Object> insertRowByTablePathAndIndex(String tablePath, String pageIndex, JSONObject culumnOfNewRow) throws FileNotFoundException, IOException {

String[] sets = tablePath.split("/");

int rowInsertIndex = Integer.valueOf(pageIndex);

File fileDBTable = new File(tablePath);

if (fileDBTable.isDirectory()) {

String DBTableRowsPath = tablePath + "/rows";

File fileDBTableRowsPath = new File(DBTableRowsPath);

if (fileDBTableRowsPath.isDirectory()) {

Row row = new Row();

ConcurrentHashMap<String, Cell> cells = new ConcurrentHashMap<>();

row.I\_Cells(cells);

String DBTableRowIndexPath = DBTableRowsPath + "/row" + rowInsertIndex ;

File readDBTableRowIndexFile = new File(DBTableRowIndexPath);

if (!readDBTableRowIndexFile.exists()) {

readDBTableRowIndexFile.mkdir();

Iterator<String> it = culumnOfNewRow.keys();

while(it.hasNext()) {

String culumnName = it.next();

String culumnValue = culumnOfNewRow.getString(culumnName);

String needCreatCulumnPath = DBTableRowIndexPath + "/" + culumnName;

File needCreatCulumn = new File(needCreatCulumnPath);

needCreatCulumn.mkdir();

FileWriter fw = null;

try {

fw = new FileWriter(needCreatCulumnPath + "/value.lyg", true);

fw.write(null==culumnValue?"":culumnValue);

fw.close();

//buffer reflection update

Cell cell = new Cell();

cell.I\_CellValue(null == culumnValue ? "" : culumnValue);

row.putCell(culumnName, cell);

} catch (IOException e) {

e.printStackTrace();

}

}

String needCreatCulumnPath = DBTableRowIndexPath + "/is\_delete\_0";

File needCreatCulumn = new File(needCreatCulumnPath);

needCreatCulumn.mkdir();

}

DetaDBBufferCache\_M.db.getBase(sets[sets.length-2]).getTable(sets[sets.length-1]).putRow("row" + rowInsertIndex, row);

}

}

Map<String, Object> output = new HashMap<>();

output.put("totalPages", rowInsertIndex);

return output;

}

public static Map<String, Object> insertRowByBaseName(String baseName, String tableName, JSONObject jsobj, boolean mod) throws Exception {

Map<String, Object> output = new HashMap<>();

String tablePath = Cache\_M.getCacheInfo("DBPath").getValue().toString();

tablePath += "/" + baseName + "/" + tableName;

File fileDBTable = new File(tablePath);

if (fileDBTable.isDirectory()) {

String DBTableRowsPath = tablePath + "/rows";

Row row = new Row();

ConcurrentHashMap<String, Cell> cells = new ConcurrentHashMap<>();

row.I\_Cells(cells);

File fileDBTableRowsPath = new File(DBTableRowsPath);

if (fileDBTableRowsPath.isDirectory()) {

int rowInsertIndex = fileDBTableRowsPath.list().length;

output.put("totalPages", rowInsertIndex);

String DBTableRowIndexPath = DBTableRowsPath + "/row" + rowInsertIndex ;

File readDBTableRowIndexFile = new File(DBTableRowIndexPath);

if (!readDBTableRowIndexFile.exists()) {

readDBTableRowIndexFile.mkdir();

Iterator<String> it = jsobj.keys();

while(it.hasNext()) {

String culumnName = it.next();

String culumnValue = jsobj.get(culumnName).toString();

if(culumnValue.equalsIgnoreCase("random")){

culumnValue = "" + rowInsertIndex;

}

String needCreatCulumnPath = DBTableRowIndexPath + "/" + culumnName;

File needCreatCulumn = new File(needCreatCulumnPath);

if(!needCreatCulumn.exists()) {

if(mod) {

needCreatCulumn.mkdir();

}

}

File needCreatCulumnPathFile= new File(needCreatCulumnPath + "/value.lyg");

if(needCreatCulumnPathFile.exists() && !needCreatCulumnPathFile.canWrite()) {

throw new Exception();

}

if(mod) {

FileWriter fw = null;

try {

fw = new FileWriter(needCreatCulumnPath + "/value.lyg", true);

fw.write(null == culumnValue? "" : culumnValue);

fw.close();

} catch (IOException e) {

e.printStackTrace();

}

}

//add buffer

Cell cell = new Cell();

cell.I\_CellValue(null == culumnValue? "" : culumnValue);

if(mod) {

row.putCell(culumnName, cell);

}

}

String needCreatCulumnPath = DBTableRowIndexPath + "/is\_delete\_0";

File needCreatCulumn = new File(needCreatCulumnPath);

if(!needCreatCulumn.exists()) {

if(mod){

needCreatCulumn.mkdir();

}

}

}

Table table = DetaDBBufferCache\_M.db.getBase(baseName).getTable(tableName);

if(mod) {

table.putRow("row" + rowInsertIndex, row);

}

}

}

return output;

}

public static void IU\_RowByAttributes(Map<String, Object> object, boolean mod) throws Exception {

JSONObject jsobj = new JSONObject();

//for late will make an exception record queue system, to control all of the db write;

List<String[]> culumnValues = (List<String[]>)object.get("culumnValue");

Iterator<String[]> iterator = culumnValues.iterator();

//list to json

while(iterator.hasNext()) {

String[] strings = iterator.next();

String string= "";

if(strings.length> 2) {

string= strings[2];

}

jsobj.put(strings[1], string);

}

insertRowByBaseName(object.get("baseName").toString(), object.get("tableName").toString(), jsobj, mod);

}

}

ExecPLSQLImp, 数据类

package ME.SM.OP.SM.AOP.MEC.SIQ.E;

import java.util.Map;

import java.util.concurrent.ConcurrentHashMap;

import OSI.AOP.MEC.SIQ.plorm.PLORM\_C;

import SVQ.stable.StableShellETL;

public class E\_PLSQL\_E {

public static Map<String, Object> E\_PLSQL(String plsql, boolean mod) throws Exception{

//working for here

Map<String, Object> output = new ConcurrentHashMap<>();

//1make container

output.put("start", "0");

output.put("countJoins", "0");

//2make line

String[] commands = plsql.replace(" ", "").replace("\n", "").split(";");

String[] acknowledge = null;

for(String command:commands) {

acknowledge = command.split(":");

if(acknowledge[0].equals("setRoot")) {

PLSQLCommand\_E.P\_SetRoot(acknowledge, output);

}

if(acknowledge[0].equals("baseName")) {

PLSQLCommand\_E.P\_BaseName(acknowledge, output);

}

if(acknowledge[0].equals("tableName")) {

PLSQLCommand\_E.P\_TableName(acknowledge, output);

}

if(acknowledge[0].equals(StableShellETL.SHELL\_ETL\_CULUMNNAME)) {

PLSQLCommand\_E.P\_ListNeedStart(acknowledge, output);

}

if(acknowledge[0].equals("changeCulumnName")) {

PLSQLCommand\_E.P\_ListNeedStart(acknowledge, output);

}

if(acknowledge[0].equals("culumnValue")) {

PLSQLCommand\_E.P\_ListNeedStart(acknowledge, output);

}

if(acknowledge[0].equals("join")) {

PLSQLCommand\_E.P\_Join(acknowledge, output);

}

if(acknowledge[0].equals(StableShellETL.SHELL\_ETL\_CONDITION)) {

PLSQLCommand\_E.P\_ListNeedStart(acknowledge, output);

}

if(acknowledge[0].equals("relation")) {

PLSQLCommand\_E.P\_ListNeedStart(acknowledge, output);

}

if(acknowledge[0].equals("aggregation")) {

PLSQLCommand\_E.P\_ListNeedStart(acknowledge, output);

}

if(acknowledge[0].equals("getCulumns")) {

PLSQLCommand\_E.P\_ListNeedStart(acknowledge, output);

}

output.put("newCommand", acknowledge[0]);

PLSQLCommand\_E.P\_E(acknowledge, output, mod);

output.put("lastCommand", output.get("newCommand"));

}

if(null!= acknowledge) {

if(output.get("start").toString().equals("1")) {

PLSQLCommand\_E.P\_E(acknowledge, output, mod);

}

}

System.out.println("1");

PLSQLCommand\_E.P\_Check(output.get("newCommand").toString(), output, mod);

return output;

}

public static Map<String, Object> E\_PLORM(PLORM\_C orm, boolean b) throws Exception {

return E\_PLSQL(orm.getPLSQL(), true);

}

}

PLSQLCommandImp, 数据类

package ME.SM.OP.SM.AOP.MEC.SIQ.E;

import java.io.File;

import java.util.ArrayList;

import java.util.Iterator;

import java.util.List;

import java.util.Map;

import java.util.concurrent.CopyOnWriteArrayList;

import MS.OP.SM.AOP.MEC.SIQ.cache.DetaDBBufferCache\_M;

import MSD.OP.SM.AOP.MEC.SIQ.SM.OSD.E.D\_Rows\_E;

import MSI.OP.SM.AOP.MEC.SIQ.SM.OSI.E.I\_Tables\_E;

import MSI.OP.SM.AOP.MEC.SIQ.SM.OSU.E.IU\_Rows\_E;

import MSQ.OP.SM.AOP.MEC.SIQ.SM.OSQ.E.Q\_JoinRows\_E;

import MSQ.OP.SM.AOP.MEC.SIQ.SM.OSQ.E.Q\_Rows\_E;

import MSU.OP.SM.AOP.MEC.SIQ.SM.update.E.U\_JoinRows\_E;

import MSU.OP.SM.AOP.MEC.SIQ.SM.update.E.U\_Rows\_E;

import OP.SM.AOP.MEC.SIQ.SM.reflection.Base;

import OP.SM.AOP.MEC.SIQ.SM.reflection.Table;

import PEU.P.cache.\*;

import SVQ.stable.StableShellETL;

@SuppressWarnings("unchecked")

public class PLSQLCommand\_E {

public static void P\_SetRoot(String[] acknowledge, Map<String, Object> output) throws Exception {

String dbPath = acknowledge[1];

for(int i=2; i<acknowledge.length; i++) {

dbPath += ":" + acknowledge[i];

}

if(null != Cache\_M.getCacheInfo("DBPath")) {

File file = new File(dbPath);

if(!file.exists()) {

file.mkdirs();

Cache c = new Cache();

c.I\_Value(dbPath);

Cache\_M.putCache("DBPath", c);

}else if(file.isFile()) {

throw new Exception();

}else if(file.isDirectory()) {

Cache c = new Cache();

c.I\_Value(dbPath);

Cache\_M.putCache("DBPath", c);

}

}

}

public static void P\_BaseName(String[] acknowledge, Map<String, Object> object) {

object.put(acknowledge[0], acknowledge[1]);

}

public static void P\_TableName(String[] acknowledge, Map<String, Object> object) {

object.put(acknowledge[0], acknowledge[1]);

object.put("type", acknowledge[2]);

}

public static void P\_ListNeedStart(String[] acknowledge, Map<String, Object> object) {

object.put("start", "1");

if(object.containsKey(acknowledge[0])) {

List<String[]> relationValues = (List<String[]>) object.get(acknowledge[0]);

relationValues.add(acknowledge);

object.put(acknowledge[0], relationValues);

return;

}

List<String[]> relationValues = new CopyOnWriteArrayList<>();

relationValues.add(acknowledge);

object.put(acknowledge[0], relationValues);

}

public static void P\_Join(String[] acknowledge, Map<String, Object> object) {

if(object.get("countJoins").toString().equals("1")) {

object.put("countJoins", "n");

}

if(object.get("countJoins").toString().equals("0")) {

object.put("countJoins", "1");

}

object.put(StableShellETL.SHELL\_ETL\_JOIN\_BASE\_NAME, acknowledge[1]);

object.put("joinTableName", acknowledge[2]);

}

public static void P\_E(String[] acknowledge, Map<String, Object> object, boolean mod) throws Exception {

if(object.get("start").toString().equals("1")) {

if(!acknowledge[0].equalsIgnoreCase(object.get("lastCommand").toString())

&&(object.get("lastCommand").toString().contains("changeCulumnName")

||object.get("lastCommand").toString().contains("culumnValue")

||object.get("lastCommand").toString().contains(StableShellETL.SHELL\_ETL\_CONDITION)

||object.get("lastCommand").toString().contains("relation")

||object.get("lastCommand").toString().contains("aggregation")

||object.get("lastCommand").toString().contains("getCulumns")

||object.get("lastCommand").toString().contains(StableShellETL.SHELL\_ETL\_CULUMNNAME)

||object.get("lastCommand").toString().contains("relation"))) {

P\_E\_Kernel(object, mod);

}

}

}

//处理机中心, 别急, 准备验证 罗瑶光

private static void P\_E\_Kernel(Map<String, Object> object, boolean mod) throws Exception{

if(object.get("type").toString().equalsIgnoreCase("select") &&

(object.get("countJoins").toString().equalsIgnoreCase("0") ||

(object.get("countJoins").toString().equalsIgnoreCase("1") && object.get("newCommand").toString().equalsIgnoreCase("join")))){

if(object.containsKey(StableShellETL.SHELL\_ETL\_CONDITION)) {

object.put("obj", Q\_Rows\_E.selectRowsByAttributesOfCondition(object));

}

if(object.containsKey("aggregation")) {

object.put("obj", Q\_Rows\_E.selectRowsByAttributesOfAggregation(object));

}

if(object.containsKey("getCulumns")) {

object.put("obj", Q\_Rows\_E.selectRowsByAttributesOfGetCulumns(object));

}

object.remove("recordRows");

}

if(object.get("type").toString().equalsIgnoreCase("select") &&

(object.get("countJoins").toString().equalsIgnoreCase("n") ||

(object.get("countJoins").toString().equalsIgnoreCase("1") && !object.get("newCommand").toString().equalsIgnoreCase("join")))){

if(object.containsKey(StableShellETL.SHELL\_ETL\_CONDITION)) {

object.put("joinObj", Q\_JoinRows\_E.selectRowsByAttributesOfJoinCondition(object));

}

if(object.containsKey("relation")) {

object.put("obj", Q\_JoinRows\_E.selectRowsByAttributesOfJoinRelation(object));

}

if(object.containsKey("aggregation")) {

object.put("obj", Q\_JoinRows\_E.selectRowsByAttributesOfJoinAggregation(object));

}

if(object.containsKey("getCulumns")) {

object.put("joinObj", Q\_JoinRows\_E.selectRowsByAttributesOfJoinGetCulumns(object));

}

object.remove("recordRows");

}

if(object.get("type").toString().equalsIgnoreCase("create")){

if(object.containsKey(StableShellETL.SHELL\_ETL\_CULUMNNAME)) {

I\_Tables\_E.I\_Table(object, mod);

}

object.remove("recordRows");

}

//离散数学的conjuction变换 a^&&b^&&c \* kernel[] = (a^&&b^)^^&&c \* kernel[] = (a||b)^&&c \* kernel[]

if(object.get("type").toString().equalsIgnoreCase("update") &&

(object.get("countJoins").toString().equalsIgnoreCase("0") ||

(object.get("countJoins").toString().equalsIgnoreCase("1") && object.get("newCommand").toString().equalsIgnoreCase("join")))){

if(object.containsKey(StableShellETL.SHELL\_ETL\_CONDITION)) {

object.put("updateObj", U\_Rows\_E.updateRowsByAttributesOfCondition(object, mod));

}

if(object.containsKey("aggregation")) {

object.put("updateObj", U\_Rows\_E.updateRowsByAttributesOfAggregation(object, mod));

}

if(object.containsKey("culumnValue")) {

U\_Rows\_E.updateRowsByRecordConditions(object, mod);

}

object.remove("recordRows");

}

if(object.get("type").toString().equalsIgnoreCase("update") &&

(object.get("countJoins").toString().equalsIgnoreCase("n") ||

(object.get("countJoins").toString().equalsIgnoreCase("1") && !object.get("newCommand").toString().equalsIgnoreCase("join")))){

if(object.containsKey(StableShellETL.SHELL\_ETL\_CONDITION)) {

object.put("updateJoinObj", U\_JoinRows\_E.updateRowsByAttributesOfJoinCondition(object, mod));

}

if(object.containsKey("relation")) {

object.put("updateObj", U\_JoinRows\_E.updateRowsByAttributesOfJoinRelation(object, mod));

}

if(object.containsKey("aggregation")) {

object.put("updateObj", U\_JoinRows\_E.updateRowsByAttributesOfJoinAggregation(object, mod));

}

if(object.containsKey("culumnValue")) {

U\_Rows\_E.updateRowsByRecordConditions(object, mod);

}

object.remove("recordRows");

}

if(object.get("type").toString().equalsIgnoreCase("insert")) {

if(object.containsKey("culumnValue")) {

IU\_Rows\_E.IU\_RowByAttributes(object, mod);

}

}

if(object.get("type").toString().equalsIgnoreCase("delete")) {

if(object.containsKey(StableShellETL.SHELL\_ETL\_CONDITION)) {

D\_Rows\_E.D\_RowByAttributesOfCondition(object, mod);

}

}

object.remove(StableShellETL.SHELL\_ETL\_CONDITION);

object.remove(StableShellETL.SHELL\_ETL\_CULUMNNAME);

object.remove("changeCulumnName");

object.remove("getCulumns");

object.remove("relation");

object.remove("aggregation");

object.remove("getCulumns");

object.put("start", "0");

}

//plsql函数执行指令 正在检查中 罗瑶光 20210405

public static void P\_Check(String acknowledge, Map<String, Object> object, boolean mod) throws Exception {

if(object.get("start").toString().equals("1")) {

P\_E\_Kernel(object, mod);

}

List<Map<String, Object>> obj = ((List<Map<String, Object>>)(object.get("obj")));

int totalPages = 0;

if(obj != null) {

totalPages = obj.size();

}

int rowBeginIndex = object.containsKey("pageBegin")? Integer.valueOf(object.get("pageBegin").toString()):0;

int rowEndIndex = object.containsKey("pageEnd")?Integer.valueOf(object.get("pageEnd").toString()):totalPages>15?15:totalPages;

object.put("pageBegin", rowBeginIndex);

object.put("pageEnd", rowEndIndex);

String DBPath= Cache\_M.getCacheInfo("DBPath").getValue().toString() + "/" + object.get("baseName").toString();

String DBTablePath = DBPath + "/" + object.get("tableName").toString();

object.put("tablePath", DBTablePath);

object.put("returnResult", "success");

object.put("totalPages", totalPages);

object.put("loginInfo", "success");

List<Object> spec = new ArrayList<>();

Iterator<String> iterator = new ArrayList<String>().iterator();

if(obj== null || obj.size()< 1) {

Base base= DetaDBBufferCache\_M.db.getBase(object.get("baseName").toString());

Table table= base.getTable(object.get("tableName").toString());

if(null!= table) {

iterator= table.getSpec().getCulumnTypes().keySet().iterator();

}

}else {//进行map 验证检测 罗瑶光 20210405

Map<String, Object> map= obj.get(0);

Map<String, Object> objectInMap= (Map<String, Object>)map.get(StableShellETL.SHELL\_ETL\_ROWVALUE);

iterator = null== objectInMap? null:objectInMap.keySet().iterator();

}

if(iterator != null) {

while(iterator.hasNext()) {

spec.add(iterator.next());

}

}

object.put("spec", spec);

}

}

ProcessAggregationPLSQL, 数据类

package ME.SM.OP.SM.AOP.MEC.SIQ.E;

import java.math.BigDecimal;

import java.util.ArrayList;

import java.util.HashMap;

import java.util.Iterator;

import java.util.List;

import java.util.Map;

@SuppressWarnings({"unused"})

public class P\_AggregationPLSQL {

public static void P\_AggregationLimitMap(String[] sets

, List<Map<String, Object>> output) {

List<Map<String, Object>> outputTemp = new ArrayList<>();

Iterator<Map<String, Object>> iterator = output.iterator();

int count = 0;

while(iterator.hasNext()) {

int rowid = count++;

Map<String, Object> row = iterator.next();

Map<String, Object> rowMap = new HashMap<>();

if(sets[1].equalsIgnoreCase("~")) {

if(rowid >= new BigDecimal(sets[0]).doubleValue() && rowid

<= new BigDecimal(sets[2]).doubleValue()) {

outputTemp.add(row);

}

}

}

output.clear();

output.addAll(outputTemp);

}

}

ProcessConditionPLSQL, 数据类

package ME.SM.OP.SM.AOP.MEC.SIQ.E;

import java.io.BufferedReader;

import java.io.File;

import java.io.FileReader;

import java.io.IOException;

import java.math.BigDecimal;

import java.util.ArrayList;

import java.util.HashMap;

import java.util.Iterator;

import java.util.List;

import java.util.Map;

import java.util.concurrent.ConcurrentHashMap;

import MS.OP.SM.AOP.MEC.SIQ.cache.DetaDBBufferCache\_M;

import OP.SM.AOP.MEC.SIQ.SM.reflection.Cell;

import OP.SM.AOP.MEC.SIQ.SM.reflection.Row;

import OP.SM.AOP.MEC.SIQ.SM.reflection.Table;

@SuppressWarnings({ "unused", "unchecked"})

public class P\_ConditionPLSQL {

public static void P\_Cache(String[] sets, List<Map<String, Object>> output

, String tableName, String baseName, Map<String, Object> object) {

Table table = DetaDBBufferCache\_M.db.getBase(baseName).getTable(tableName);

Iterator<String> iterator = table.getRows().keySet().iterator();

int rowindex=0;

while(iterator.hasNext()) {

int count = rowindex++;

String rowIndex = iterator.next();

Row row = table.getRow(rowIndex);

Cell cell=new Cell();

cell.setCellValue(rowIndex.replace("row", ""));

row.putCell("Index", cell);

if(sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_SMALL)||sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_LESS\_THAN)) {

double rowCellFromBigDecimal = new BigDecimal(row.getCell(sets[0])

.getCellValue().toString()).doubleValue();

if(rowCellFromBigDecimal < new BigDecimal(sets[2]).doubleValue()

&& row.containsCell("is\_delete\_0")) {

if(!((Map<Integer, Boolean>)(object.get("recordRows"))).containsKey(count)) {

output.add(rowToRowMap(row));

Map<Integer, Boolean> recordRows = (Map<Integer, Boolean>) object.get("recordRows");

recordRows.put(count, true);

}

}

}

if(sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_LESS\_AND\_EQUAL\_TO)||sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_LESS\_AND\_EQUAL\_TO\_R) ||sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_LESS\_THAN\_AND\_EQUAL\_TO)) {

String set= sets[0];

Cell setCell= row.getCell(set);

String cellString= setCell.getCellValue().toString();

cellString=cellString.isEmpty()? "0": cellString;

double rowCellFromBigDecimal = new BigDecimal(cellString).doubleValue();

if(rowCellFromBigDecimal<= new BigDecimal(sets[2]).doubleValue()

&& row.containsCell("is\_delete\_0")) {

if(!((Map<Integer, Boolean>)(object.get("recordRows"))).containsKey(count)) {

output.add(rowToRowMap(row));

Map<Integer, Boolean> recordRows = (Map<Integer, Boolean>) object.get("recordRows");

recordRows.put(count, true);

}

}

}

if(sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_DOUBLE\_EQUALS)||sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_SIMPLE\_EUQALS) ||sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_TRIPAL\_EQUALS)) {

double rowCellFromBigDecimal = new BigDecimal(row.getCell(sets[0])

.getCellValue().toString()).doubleValue();

if(rowCellFromBigDecimal == new BigDecimal(sets[2]).doubleValue()

&& row.containsCell("is\_delete\_0")) {

if(!((Map<Integer, Boolean>)(object.get("recordRows"))).containsKey(count)) {

output.add(rowToRowMap(row));

Map<Integer, Boolean> recordRows = (Map<Integer, Boolean>) object.get("recordRows");

recordRows.put(count, true);

}

}

}

if(sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_GREATER\_AND\_EQUAL\_TO)||sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_GREATER\_AND\_EQUAL\_TO\_R) ||sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_GREATER\_THAN\_AND\_EQUAL\_TO)) {

double rowCellFromBigDecimal = new BigDecimal(row.getCell(sets[0])

.getCellValue().toString()).doubleValue();

if(rowCellFromBigDecimal >= new BigDecimal(sets[2]).doubleValue()

&& row.containsCell("is\_delete\_0")) {

if(!((Map<Integer, Boolean>)(object.get("recordRows"))).containsKey(count)) {

output.add(rowToRowMap(row));

Map<Integer, Boolean> recordRows = (Map<Integer, Boolean>) object.get("recordRows");

recordRows.put(count, true);

}

}

} if(sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_GREATER)||sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_GREATER\_THAN)) {

double rowCellFromBigDecimal = new BigDecimal(row.getCell(sets[0])

.getCellValue().toString()).doubleValue();

if(rowCellFromBigDecimal > new BigDecimal(sets[2]).doubleValue()

&& row.containsCell("is\_delete\_0")) {

if(!((Map<Integer, Boolean>)(object.get("recordRows"))).containsKey(count)) {

output.add(rowToRowMap(row));

Map<Integer, Boolean> recordRows = (Map<Integer, Boolean>) object.get("recordRows");

recordRows.put(count, true);

}

}

}

if(sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_NOT\_EUQAL\_TO)||sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_NOT\_EUQAL\_TO\_R)) {

double rowCellFromBigDecimal = new BigDecimal(row.getCell(sets[0])

.getCellValue().toString()).doubleValue();

if(rowCellFromBigDecimal != new BigDecimal(sets[2]).doubleValue()

&& row.containsCell("is\_delete\_0")) {

if(!((Map<Integer, Boolean>)(object.get("recordRows"))).containsKey(count)) {

output.add(rowToRowMap(row));

Map<Integer, Boolean> recordRows = (Map<Integer, Boolean>) object.get("recordRows");

recordRows.put(count, true);

}

}

}

if(sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_EQUAL) && row.containsCell("is\_delete\_0")) {

String rowCellFromString = row.getCell(sets[0]).getCellValue().toString();

if(rowCellFromString.equalsIgnoreCase(sets[2])) {

if(!((Map<Integer, Boolean>)(object.get("recordRows"))).containsKey(count)) {

output.add(rowToRowMap(row));

Map<Integer, Boolean> recordRows = (Map<Integer, Boolean>) object.get("recordRows");

recordRows.put(count, true);

}

}

}

if(sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_DOES\_NOT\_EQUALS)) {

String rowCellFromString = row.getCell(sets[0]).getCellValue().toString();

if(!rowCellFromString.equalsIgnoreCase(sets[2]) && row.containsCell("is\_delete\_0")) {

if(!((Map<Integer, Boolean>)(object.get("recordRows"))).containsKey(count)) {

output.add(rowToRowMap(row));

Map<Integer, Boolean> recordRows = (Map<Integer, Boolean>) object.get("recordRows");

recordRows.put(count, true);

}

}

}

if(sets[1].equalsIgnoreCase((StableShellETL.SHELL\_ETL\_IN))) {

String rowCellFromString = row.getCell(sets[0]).getCellValue().toString();

String set = "," + sets[2] + ",";

if(set.contains("," + rowCellFromString + ",") && row.containsCell("is\_delete\_0")){

if(!((Map<Integer, Boolean>)(object.get("recordRows"))).containsKey(count)) {

output.add(rowToRowMap(row));

Map<Integer, Boolean> recordRows = (Map<Integer, Boolean>) object.get("recordRows");

recordRows.put(count, true);

}

}

}

if(sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_NOT\_IN)) {

String rowCellFromString = row.getCell(sets[0]).getCellValue().toString();

String set = "," + sets[2] + ",";

if(!set.contains("," + rowCellFromString + ",") && row.containsCell("is\_delete\_0")){

if(!((Map<Integer, Boolean>)(object.get("recordRows"))).containsKey(count)) {

output.add(rowToRowMap(row));

Map<Integer, Boolean> recordRows = (Map<Integer, Boolean>) object.get("recordRows");

recordRows.put(count, true);

}

}

}

}

}

//以后优化成统一对象输出，不需要再转换。2019-1-15 tin

private static Map<String, Object> rowToRowMap(Row row) {

Map<String, Object> culumnMaps = new HashMap<>();

Map<String, Object> rowMap = new HashMap<>();

Iterator<String> iterator = row.getCells().keySet().iterator();

while(iterator.hasNext()) {

String cellName = iterator.next();

if(!cellName.contains("is\_delete")) {

Cell cell = row.getCell(cellName);

Map<String, Object> culumnMap = new HashMap<>();

culumnMap.put(StableShellETL.SHELL\_ETL\_CULUMNNAME, cellName);

culumnMap.put("culumnValue", cell.getCellValue().toString());

culumnMaps.put(cellName, culumnMap);

}

}

rowMap.put(StableShellETL.SHELL\_ETL\_ROWVALUE, culumnMaps);

return rowMap;

}

public static void P\_Map(String[] sets, List<Map<String, Object>> output, String dBTablePath) {

List<Map<String, Object>> outputTemp = new ArrayList<>();

Iterator<Map<String, Object>> iterator = output.iterator();

int rowid = 0;

while(iterator.hasNext()) {

Map<String, Object> row = iterator.next();

Map<String, Object> rowMap = new HashMap<>();

if(sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_SMALL)||sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_LESS\_THAN)) {

String rowCellFromString = ((Map<String, Object>)(((Map<String, Object>)(row.get(StableShellETL.SHELL\_ETL\_ROWVALUE)))

.get(sets[0]))).get("culumnValue").toString();

if(new BigDecimal(rowCellFromString).doubleValue() < new BigDecimal(sets[2]).doubleValue()) {

outputTemp.add(row);

}

}

if(sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_LESS\_AND\_EQUAL\_TO)||sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_LESS\_AND\_EQUAL\_TO\_R)

||sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_LESS\_THAN\_AND\_EQUAL\_TO)) {

String rowCellFromString = ((Map<String, Object>)(((Map<String, Object>)(row.get(StableShellETL.SHELL\_ETL\_ROWVALUE)))

.get(sets[0]))).get("culumnValue").toString();

if(new BigDecimal(rowCellFromString).doubleValue() <= new BigDecimal(sets[2]).doubleValue()) {

outputTemp.add(row);

}

}

if(sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_DOUBLE\_EQUALS)||sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_SIMPLE\_EUQALS)||sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_TRIPAL\_EQUALS)) {

String rowCellFromString = ((Map<String, Object>)(((Map<String, Object>)(row.get(StableShellETL.SHELL\_ETL\_ROWVALUE)))

.get(sets[0]))).get("culumnValue").toString();

if(new BigDecimal(rowCellFromString).doubleValue() == new BigDecimal(sets[2]).doubleValue()) {

outputTemp.add(row);

}

}

if(sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_GREATER\_AND\_EQUAL\_TO)||sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_GREATER\_AND\_EQUAL\_TO\_R) ||sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_GREATER\_THAN\_AND\_EQUAL\_TO)) {

String rowCellFromString = ((Map<String, Object>)(((Map<String, Object>)(row.get(StableShellETL.SHELL\_ETL\_ROWVALUE)))

.get(sets[0]))).get("culumnValue").toString();

if(new BigDecimal(rowCellFromString).doubleValue() >= new BigDecimal(sets[2]).doubleValue()) {

outputTemp.add(row);

}

}

if(sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_GREATER)||sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_GREATER\_THAN)) {

String rowCellFromString = ((Map<String, Object>)(((Map<String, Object>)(row.get(StableShellETL.SHELL\_ETL\_ROWVALUE)))

.get(sets[0]))).get("culumnValue").toString();

if(new BigDecimal(rowCellFromString).doubleValue() > new BigDecimal(sets[2]).doubleValue()) {

outputTemp.add(row);

}

}

if(sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_NOT\_EUQAL\_TO)||sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_NOT\_EUQAL\_TO\_R)) {

String rowCellFromString = ((Map<String, Object>)(((Map<String, Object>)(row.get(StableShellETL.SHELL\_ETL\_ROWVALUE)))

.get(sets[0]))).get("culumnValue").toString();

if(new BigDecimal(rowCellFromString).doubleValue() != new BigDecimal(sets[2]).doubleValue()) {

outputTemp.add(row);

}

}

if(sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_EQUAL)) {

String rowCellFromString = ((Map<String, Object>)(((Map<String, Object>)(row.get(StableShellETL.SHELL\_ETL\_ROWVALUE)))

.get(sets[0]))).get("culumnValue").toString();

if(rowCellFromString.equalsIgnoreCase(sets[2])) {

outputTemp.add(row);

}

}

if(sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_DOES\_NOT\_EQUALS)) {

String rowCellFromString = ((Map<String, Object>)(((Map<String, Object>)(row.get(StableShellETL.SHELL\_ETL\_ROWVALUE)))

.get(sets[0]))).get("culumnValue").toString();

if(!rowCellFromString.equalsIgnoreCase(sets[2])) {

outputTemp.add(row);

}

}

if(sets[1].equalsIgnoreCase((StableShellETL.SHELL\_ETL\_IN))) {

String rowCellFromString = ((Map<String, Object>)(((Map<String, Object>)(row.get(StableShellETL.SHELL\_ETL\_ROWVALUE)))

.get(sets[0]))).get("culumnValue").toString();

String set = "," + sets[2] + ",";

if(set.contains("," + rowCellFromString + ",")){

outputTemp.add(row);

}

}

if(sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_NOT\_IN)) {

String rowCellFromString = ((Map<String, Object>)(((Map<String, Object>)(row.get(StableShellETL.SHELL\_ETL\_ROWVALUE)))

.get(sets[0]))).get("culumnValue").toString();

String set = "," + sets[2] + ",";

if(!set.contains("," + rowCellFromString + ",")){

outputTemp.add(row);

}

}

}

output.clear();

output.addAll(outputTemp);

}

//plsql引擎函数获取表开始检查 罗瑶光 20210405 //奇怪了 这是一个没有读 缓存的plsql引擎,我准备对比下history

//object 指令堆栈

//output 数据行

public static void P\_Table(String[] sets, List<Map<String, Object>> output

, String DBTablePath, Map<String, Object> object) throws IOException {

String DBTableRowsPath = DBTablePath + "/rows";

File fileDBTableRowsPath = new File(DBTableRowsPath);

if (fileDBTableRowsPath.isDirectory()) {

String[] rowList = fileDBTableRowsPath.list();

int count=0;

NextRow:

for(String row: rowList) {

count++;

Map<String, Object> rowMap = new HashMap<>();

String DBTableRowIndexPath = DBTablePath + "/rows/" + row;

File readDBTableRowIndexFile = new File(DBTableRowIndexPath);

if (readDBTableRowIndexFile.isDirectory()) {

String isDelete = DBTableRowIndexPath + "/is\_delete\_1" ;

File isDeleteFile = new File(isDelete);

if(isDeleteFile.exists()) {

continue NextRow;

}

String DBTableRowIndexCulumnPath = DBTableRowIndexPath + "/" + sets[0];

File readDBTableRowIndexCulumnFile = new File(DBTableRowIndexCulumnPath);

if(readDBTableRowIndexCulumnFile.isDirectory()) {

BufferedReader reader = new BufferedReader

(new FileReader(readDBTableRowIndexCulumnFile + "/" + "value.lyg"));

String temp = "";

String tempString = "";

while ((tempString = reader.readLine()) != null) {

temp += tempString;

}

reader.close();

if(temp.isEmpty()) {//增加一行id为空检查, 大家记得给 数据库的id加点值,我lyg的都是空文件.

continue NextRow;

}

if(sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_SMALL)||sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_LESS\_THAN)) {

if(new BigDecimal(temp.toString()).doubleValue()

< new BigDecimal(sets[2].toString()).doubleValue()) {

if(!((Map<Integer, Boolean>)(object.get("recordRows"))).containsKey(count)) {

Row bufferRow= new Row();

bufferRow.setCells(new ConcurrentHashMap<String, Cell>());

P\_kernel(row, readDBTableRowIndexCulumnFile

, readDBTableRowIndexFile, reader

, row, output, bufferRow, rowMap);

output.add(rowToRowMap(bufferRow));

Map<Integer, Boolean> recordRows = (Map<Integer, Boolean>) object.get("recordRows");

recordRows.put(count, true);

}

}

}

if(sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_LESS\_AND\_EQUAL\_TO)||sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_LESS\_AND\_EQUAL\_TO\_R)

||sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_LESS\_THAN\_AND\_EQUAL\_TO)) {

if(new BigDecimal(temp.toString()).doubleValue()

<= new BigDecimal(sets[2].toString()).doubleValue()) {

if(!((Map<Integer, Boolean>)(object.get("recordRows"))).containsKey(count)) {

Row bufferRow= new Row();

bufferRow.setCells(new ConcurrentHashMap<String, Cell>());

P\_kernel(row, readDBTableRowIndexCulumnFile

, readDBTableRowIndexFile, reader

, row, output, bufferRow, rowMap);

output.add(rowToRowMap(bufferRow));

Map<Integer, Boolean> recordRows = (Map<Integer, Boolean>) object.get("recordRows");

recordRows.put(count, true);

}

}

} if(sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_DOUBLE\_EQUALS)||sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_SIMPLE\_EUQALS)

||sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_TRIPAL\_EQUALS)) {

if(new BigDecimal(temp.toString()).doubleValue()

== new BigDecimal(sets[2].toString()).doubleValue()) {

if(!((Map<Integer, Boolean>)(object.get("recordRows"))).containsKey(count)) {

Row bufferRow= new Row();

bufferRow.setCells(new ConcurrentHashMap<String, Cell>());

P\_kernel(row, readDBTableRowIndexCulumnFile

, readDBTableRowIndexFile, reader

, row, output, bufferRow, rowMap);

output.add(rowToRowMap(bufferRow));

Map<Integer, Boolean> recordRows = (Map<Integer, Boolean>) object.get("recordRows");

recordRows.put(count, true);

}

}

}

if(sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_GREATER\_AND\_EQUAL\_TO)||sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_GREATER\_AND\_EQUAL\_TO\_R)

||sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_GREATER\_THAN\_AND\_EQUAL\_TO)) {

if(new BigDecimal(temp.toString()).doubleValue()

>= new BigDecimal(sets[2].toString()).doubleValue()) {

if(!((Map<Integer, Boolean>)(object.get("recordRows"))).containsKey(count)) {

Row bufferRow= new Row();

bufferRow.setCells(new ConcurrentHashMap<String, Cell>());

P\_kernel(row, readDBTableRowIndexCulumnFile

, readDBTableRowIndexFile, reader

, row, output, bufferRow, rowMap);

output.add(rowToRowMap(bufferRow));

Map<Integer, Boolean> recordRows = (Map<Integer, Boolean>) object.get("recordRows");

recordRows.put(count, true);

}

}

}

if(sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_GREATER)||sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_GREATER\_THAN)) {

if(new BigDecimal(temp.toString()).doubleValue()

> new BigDecimal(sets[2].toString()).doubleValue()) {

if(!((Map<Integer, Boolean>)(object.get("recordRows"))).containsKey(count)) {

Row bufferRow= new Row();

bufferRow.setCells(new ConcurrentHashMap<String, Cell>());

P\_kernel(row, readDBTableRowIndexCulumnFile

, readDBTableRowIndexFile, reader

, row, output, bufferRow, rowMap);

output.add(rowToRowMap(bufferRow));

Map<Integer, Boolean> recordRows = (Map<Integer, Boolean>) object.get("recordRows");

recordRows.put(count, true);

}

}

} if(sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_NOT\_EUQAL\_TO)||sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_NOT\_EUQAL\_TO\_R)) {

if(new BigDecimal(temp.toString()).doubleValue()

!= new BigDecimal(sets[2].toString()).doubleValue()) {

if(!((Map<Integer, Boolean>)(object.get("recordRows"))).containsKey(count)) {

Row bufferRow= new Row();

bufferRow.setCells(new ConcurrentHashMap<String, Cell>());

P\_kernel(row, readDBTableRowIndexCulumnFile

, readDBTableRowIndexFile, reader

, row, output, bufferRow, rowMap);

output.add(rowToRowMap(bufferRow));

Map<Integer, Boolean> recordRows = (Map<Integer, Boolean>) object.get("recordRows");

recordRows.put(count, true);

}

}

}

if(sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_EQUAL)) {

String rowCellFromString = temp.toString();

if(rowCellFromString.equalsIgnoreCase(sets[2].toString())) {

if(!((Map<Integer, Boolean>)(object.get("recordRows"))).containsKey(count)) {

Row bufferRow= new Row();

bufferRow.setCells(new ConcurrentHashMap<String, Cell>());

P\_kernel(row, readDBTableRowIndexCulumnFile

, readDBTableRowIndexFile, reader

, row, output, bufferRow, rowMap);

output.add(rowToRowMap(bufferRow));

Map<Integer, Boolean> recordRows = (Map<Integer, Boolean>) object.get("recordRows");

recordRows.put(count, true);

}

}

}

if(sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_DOES\_NOT\_EQUALS)) {

String rowCellFromString = temp.toString();

if(!rowCellFromString.equalsIgnoreCase(sets[2].toString())) {

if(!((Map<Integer, Boolean>)(object.get("recordRows"))).containsKey(count)) {

Row bufferRow= new Row();

bufferRow.setCells(new ConcurrentHashMap<String, Cell>());

P\_kernel(row, readDBTableRowIndexCulumnFile

, readDBTableRowIndexFile, reader

, row, output, bufferRow, rowMap);

output.add(rowToRowMap(bufferRow));

Map<Integer, Boolean> recordRows = (Map<Integer, Boolean>) object.get("recordRows");

recordRows.put(count, true);

}

}

}

if(sets[1].equalsIgnoreCase((StableShellETL.SHELL\_ETL\_IN))) {

String rowCellFromString = temp.toString();

String set = "," + sets[2] + ",";

if(set.contains("," + rowCellFromString + ",")) {

if(!((Map<Integer, Boolean>)(object.get("recordRows"))).containsKey(count)) {

Row bufferRow= new Row();

bufferRow.setCells(new ConcurrentHashMap<String, Cell>());

P\_kernel(row, readDBTableRowIndexCulumnFile

, readDBTableRowIndexFile, reader

, row, output, bufferRow, rowMap);

output.add(rowToRowMap(bufferRow));

Map<Integer, Boolean> recordRows = (Map<Integer, Boolean>) object.get("recordRows");

recordRows.put(count, true);

}

}

}

if(sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_NOT\_IN)) {

String rowCellFromString = temp.toString();

String set = "," + sets[2] + ",";

if(!set.contains("," + rowCellFromString + ",")) {

if(!((Map<Integer, Boolean>)(object.get("recordRows"))).containsKey(count)) {

Row bufferRow= new Row();

bufferRow.setCells(new ConcurrentHashMap<String, Cell>());

P\_kernel(row, readDBTableRowIndexCulumnFile

, readDBTableRowIndexFile, reader

, row, output, bufferRow, rowMap);

output.add(rowToRowMap(bufferRow));

Map<Integer, Boolean> recordRows = (Map<Integer, Boolean>) object.get("recordRows");

recordRows.put(count, true);

}

}

}

}

}

}

}

}

//比较是否有数据取出列表到输出 检验中 罗瑶光 20210405

//这个走硬盘查询函数来标识下, 在我设计了数据缓存查询启动函数 后就没用过了, 时间点大概在2019年1月后, 我先调通下, 之后朔源.

//准备验算下20210406 罗瑶光

private static void P\_kernel(String temp, File readDBTableRowIndexCulumnFile, File readDBTableRowIndexFile

, BufferedReader reader, String DBTableRowIndexPath, List<Map<String, Object>> output, Row bufferRow

, Map<String, Object> rowMap) throws IOException {

String[] culumnList = readDBTableRowIndexFile.list();

NextFile:

for(String culumn: culumnList) {

if(culumn.contains("is\_delete")) {

continue NextFile;

}

String DBTableCulumnIndexPath = readDBTableRowIndexFile + "/" + culumn;

File readDBTableCulumnIndexPathFile = new File(DBTableCulumnIndexPath);

Cell cell= new Cell();

if (readDBTableCulumnIndexPathFile.isDirectory()) {

//似乎被动了手脚, 20210405 罗瑶光重新检查

reader = new BufferedReader(new FileReader(readDBTableCulumnIndexPathFile + "/" + "value.lyg"));

temp = "";

String tempString;

while ((tempString = reader.readLine()) != null) {

temp += tempString;

}

reader.close();

rowMap.put(culumn, temp);

cell.setCellValue(temp);

bufferRow.putCell(culumn, cell);

}else {

rowMap.put(culumn, null);

cell.setCellValue(null);

bufferRow.putCell(culumn, cell);

}

}

output.add(rowMap);

}

}

ProcessGetCulumnsPLSQL, 数据类

package ME.SM.OP.SM.AOP.MEC.SIQ.E;

import java.util.ArrayList;

import java.util.HashMap;

import java.util.Iterator;

import java.util.List;

import java.util.Map;

@SuppressWarnings({"unused", "unchecked"})

public class P\_GetCulumnsPLSQL {

public static Object getCulumnsMapWithAs(String[] sets, Map<String, Object> row) {

return row.get(sets[2]);

}

public static Object getCulumnsMap(String[] sets, Map<String, Object> row) {

return row.get(sets[0]);

}

public static Object P\_GetCulumnsMap(List<Map<String, Object>> obj, String[] getCulumnsValueArray) {

List<Map<String, Object>> newobj = new ArrayList<Map<String, Object>>();

Iterator<Map<String, Object>> iterator = obj.iterator();

int count = 0;

NextRow:

while(iterator.hasNext()) {

int rowId = count ++;

Map<String, Object> row = iterator.next();

Map<String, Object> newRow = new HashMap<>();

Map<String, Object> rowValue = new HashMap<>();

NextCell:

for(int i = 1; i < getCulumnsValueArray.length; i++) {

String[] sets = getCulumnsValueArray[i].split("\\|");

if(null != sets && ((Map<String, Object>)row.get(StableShellETL.SHELL\_ETL\_ROWVALUE)).containsKey(sets[0])) {

Map<String, Object> cell

= (Map<String, Object>)((Map<String, Object>)row.get(StableShellETL.SHELL\_ETL\_ROWVALUE)).get(sets[0]);

if(1 == sets.length) {

rowValue.put(sets[0], cell);

continue NextCell;

}

if(3 == sets.length && sets[1].equalsIgnoreCase("as")) {

cell.put(StableShellETL.SHELL\_ETL\_CULUMNNAME, sets[2]);

rowValue.put(sets[2], cell);

continue NextCell;

}

}

}

newRow.put(StableShellETL.SHELL\_ETL\_ROWVALUE, rowValue);

newobj.add(newRow);

}

obj.clear();

return obj.addAll(newobj);

}

}

ProcessRelationPLSQL, 数据类

package ME.SM.OP.SM.AOP.MEC.SIQ.E;

import java.math.BigDecimal;

import java.util.ArrayList;

import java.util.HashMap;

import java.util.Iterator;

import java.util.List;

import java.util.Map;

@SuppressWarnings({"unused","unchecked"})

public class P\_RelationPLSQL {

public static void P\_AndMap(String[] sets, List<Map<String, Object>> obj

, List<Map<String, Object>> joinObj

, Map<String, Object> object, List<Map<String, Object>> newObj) {

List<Map<String, Object>> newObjTemp = new ArrayList<>();

Iterator<Map<String, Object>> iterator = newObj.iterator();

int count = 0;

while(iterator.hasNext()) {

int objRowId = count++;

Map<String, Object> objRow = iterator.next();

if(objRow.containsKey(sets[0])&&objRow.containsKey(sets[2])) {

if(sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_DOUBLE\_EQUALS) || sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_TRIPAL\_EQUALS)) {

if(new BigDecimal(objRow.get(sets[0]).toString()).doubleValue()

== new BigDecimal(objRow.get(sets[2]).toString()).doubleValue()) {

newObjTemp.add(objRow);

}

}

if(sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_NOT\_EUQAL\_TO) || sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_NOT\_EUQAL\_TO\_R)

|| sets[1].equalsIgnoreCase("<>") || sets[1].equalsIgnoreCase("><")) {

if(new BigDecimal(objRow.get(sets[0]).toString()).doubleValue()

!= new BigDecimal(objRow.get(sets[2]).toString()).doubleValue()) {

newObjTemp.add(objRow);

}

}

if(sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_GREATER\_AND\_EQUAL\_TO) || sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_GREATER\_AND\_EQUAL\_TO\_R)) {

if(new BigDecimal(objRow.get(sets[0]).toString()).doubleValue()

>= new BigDecimal(objRow.get(sets[2]).toString()).doubleValue()) {

newObjTemp.add(objRow);

}

}

if(sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_GREATER)) {

if(new BigDecimal(objRow.get(sets[0]).toString()).doubleValue()

> new BigDecimal(objRow.get(sets[2]).toString()).doubleValue()) {

newObjTemp.add(objRow);

}

}

if(sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_SMALL)) {

if(new BigDecimal(objRow.get(sets[0]).toString()).doubleValue()

< new BigDecimal(objRow.get(sets[2]).toString()).doubleValue()) {

newObjTemp.add(objRow);

}

}

if(sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_LESS\_AND\_EQUAL\_TO) || sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_LESS\_AND\_EQUAL\_TO)) {

if(new BigDecimal(objRow.get(sets[0]).toString()).doubleValue()

<= new BigDecimal(objRow.get(sets[2]).toString()).doubleValue()) {

newObjTemp.add(objRow);

}

}

if(sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_EQUAL)) {

if(objRow.get(sets[0]).toString().equals(objRow.get(sets[2]).toString())){

newObjTemp.add(objRow);

}

}

if(sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_DOES\_NOT\_EQUALS) || sets[1].equalsIgnoreCase("equal!")) {

if(!objRow.get(sets[0]).toString().equals(objRow.get(sets[2]).toString())){

newObjTemp.add(objRow);

}

}

if(sets[1].equalsIgnoreCase((StableShellETL.SHELL\_ETL\_IN))) {

String set = "," + objRow.get(sets[2]).toString() + ",";

if(set.contains(objRow.get(sets[0]).toString())){

newObjTemp.add(objRow);

}

}

if(sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_NOT\_IN)) {

String set = "," + objRow.get(sets[2]).toString() + ",";

if(!set.contains(objRow.get(sets[0]).toString())){

newObjTemp.add(objRow);

}

}

}

}

}

public static void P\_OrMap(String[] sets, List<Map<String, Object>> obj

, List<Map<String, Object>> joinObj

, Map<String, Object> object, List<Map<String, Object>> newObj

, Map<String, Boolean> findinNewObj) {

Iterator<Map<String, Object>> iterator = obj.iterator();

int count = 0;

while(iterator.hasNext()) {

int objRowId = count++;

Map<String, Object> objRow = iterator.next();

Map<String, Object> row = (Map<String, Object>) objRow.get(StableShellETL.SHELL\_ETL\_ROWVALUE);

Iterator<Map<String, Object>> iteratorJoin = joinObj.iterator();

int countJoin = 0;

while(iteratorJoin.hasNext()) {

int objJoinRowId = countJoin++;

Map<String, Object> objJoinRow = iteratorJoin.next();

Map<String, Object> joinRow = (Map<String, Object>) objJoinRow.get(StableShellETL.SHELL\_ETL\_ROWVALUE);

Map<String, Object> cell = (Map<String, Object>) row.get(sets[0]);

Map<String, Object> cellJoin = (Map<String, Object>) joinRow.get(sets[2]);

if(sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_DOUBLE\_EQUALS) || sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_TRIPAL\_EQUALS)) {

if(new BigDecimal(cell.get("culumnValue").toString()).doubleValue()

== new BigDecimal(cellJoin.get("culumnValue").toString()).doubleValue()) {

if(!findinNewObj.containsKey(objRowId + ":" + objJoinRowId)) {

Map<String, Object> newObjRow = new HashMap<>();

Map<String, Object> newRow = new HashMap<>();

newRow.putAll((Map<? extends String, ? extends Object>) objJoinRow.get(StableShellETL.SHELL\_ETL\_ROWVALUE));

newRow.putAll((Map<? extends String, ? extends Object>) objRow.get(StableShellETL.SHELL\_ETL\_ROWVALUE));

newObjRow.put(StableShellETL.SHELL\_ETL\_ROWVALUE, newRow);

newObj.add(newObjRow);

findinNewObj.put(objRowId + ":" + objJoinRowId, true);

}

}

}

if(sets[1].equalsIgnoreCase(StableShellETL.SHELL\_ETL\_EQUAL)) {

if(cell.get("culumnValue").toString().equals(cellJoin.get("culumnValue").toString())) {

if(!findinNewObj.containsKey(objRowId + ":" + objJoinRowId)) {

Map<String, Object> newObjRow = new HashMap<>();

Map<String, Object> newRow = new HashMap<>();

newRow.putAll((Map<? extends String, ? extends Object>) objJoinRow.get(StableShellETL.SHELL\_ETL\_ROWVALUE));

newRow.putAll((Map<? extends String, ? extends Object>) objRow.get(StableShellETL.SHELL\_ETL\_ROWVALUE));

newObjRow.put(StableShellETL.SHELL\_ETL\_ROWVALUE, newRow);

newObj.add(newObjRow);

findinNewObj.put(objRowId + ":" + objJoinRowId, true);

}

}

}

}

}

}

}

Cell, 数据类

package OP.SM.AOP.MEC.SIQ.SM.reflection;

public class Cell{

public Object getCellValue() {

return cellValue;

}

public void I\_CellValue(Object cellValue) {

this.cellValue = cellValue;

}

private Object cellValue;

}

SelectJoinRowsImp, 数据类

package MSQ.OP.SM.AOP.MEC.SIQ.SM.OSQ.E;

import java.io.BufferedReader;

import java.io.File;

import java.io.FileReader;

import java.io.IOException;

import java.util.ArrayList;

import java.util.HashMap;

import java.util.Iterator;

import java.util.List;

import java.util.Map;

import java.util.concurrent.ConcurrentHashMap;

import ME.SM.OP.SM.AOP.MEC.SIQ.E.P\_AggregationPLSQL;

import ME.SM.OP.SM.AOP.MEC.SIQ.E.P\_ConditionPLSQL\_XCDX;

import ME.SM.OP.SM.AOP.MEC.SIQ.E.P\_ConditionPLSQL\_XCDX\_Cache;

import ME.SM.OP.SM.AOP.MEC.SIQ.E.P\_ConditionPLSQL\_XCDX\_Map;

import ME.SM.OP.SM.AOP.MEC.SIQ.E.P\_ConditionPLSQL\_XCDX\_Table;

//import ME.SM.OP.SM.AOP.MEC.SIQ.E.P\_ConditionPLSQL;

import ME.SM.OP.SM.AOP.MEC.SIQ.E.P\_GetCulumnsPLSQL;

import ME.SM.OP.SM.AOP.MEC.SIQ.E.P\_RelationPLSQL;

import MS.OP.SM.AOP.MEC.SIQ.cache.DetaDBBufferCache\_M;

import OP.SM.AOP.MEC.SIQ.SM.reflection.Spec;

import PEU.P.cache.\*;

import SVQ.stable.StableShellETL;

@SuppressWarnings({"unused", "unchecked"})

public class Q\_JoinRows\_E {

public static Object selectRowsByAttributesOfJoinCondition(Map<String, Object> object)

throws IOException {

if(!object.containsKey("recordRows")) {

Map<String, Boolean> recordRows = new ConcurrentHashMap<>();

object.put("recordRows", recordRows);

}

Spec spec = new Spec();

spec.I\_CulumnTypes(new ConcurrentHashMap<String, String>());

String objectType = "";

List<Map<String, Object>> output = new ArrayList<>();

//锁定数据库

String DBPath = Cache\_M.getCacheInfo("DBPath").getValue().toString() + "/"

+ object.get(StableShellETL.SHELL\_ETL\_JOIN\_BASE\_NAME).toString();

//锁定表

File fileDBPath = new File(DBPath);

if (fileDBPath.isDirectory()) {

String DBTablePath = DBPath + "/" + object.get("joinTableName").toString();

File fileDBTable = new File(DBTablePath);

if (fileDBTable.isDirectory()) {

String DBTableCulumnPath = DBTablePath + "/spec";

File fileDBTableCulumn = new File(DBTableCulumnPath);

if (fileDBTableCulumn.isDirectory()) {

//读取列数据格式

String[] fileList = fileDBTableCulumn.list();

for(int i=0; i<fileList.length; i++) {

File readDBTableSpecCulumnFile = new File(DBTableCulumnPath + "/"

+ fileList[0] + "/value.lyg");

BufferedReader reader = new BufferedReader(new FileReader(readDBTableSpecCulumnFile));

String tempString = null;

while ((tempString = reader.readLine()) != null) {

objectType = tempString;

}

reader.close();

spec.I\_CulumnType(fileList[i], objectType);

}

List<String[]> conditionValues= (List<String[]>) object.get(StableShellETL.SHELL\_ETL\_CONDITION);

Iterator<String[]> iterator= conditionValues.iterator();

while(iterator.hasNext()) {

boolean overMap= output.size() == 0? false: true;

String[] conditionValueArray = iterator.next();

String type= conditionValueArray[1];

boolean andMap= type.equalsIgnoreCase("and")?true:false;

for(int i = 2; i < conditionValueArray.length; i++) {

String[] sets = conditionValueArray[i].split("\\|");

if(overMap && andMap) {

P\_ConditionPLSQL\_XCDX\_Map.P\_Map(sets, output, DBTablePath);//1

}else if(DetaDBBufferCache\_M.dbCache){

P\_ConditionPLSQL\_XCDX\_Cache.P\_Cache(sets, output

, object.get("joinTableName").toString()

, object.get(StableShellETL.SHELL\_ETL\_JOIN\_BASE\_NAME).toString(), object);//1

}else {

P\_ConditionPLSQL\_XCDX\_Table.P\_Table(sets, output, DBTablePath, object);//1

}

}

}

}

}

}

return output;

}

public static Object selectRowsByAttributesOfJoinAggregation(Map<String, Object> object) {

if(!object.containsKey("joinObj")) {

return new ArrayList<>();

}

List<Map<String, Object>> obj = ((List<Map<String, Object>>)(object.get("obj")));

List<String[]> aggregationValues = (List<String[]>) object.get("aggregation");

Iterator<String[]> iterator = aggregationValues.iterator();

while(iterator.hasNext()) {

boolean overMap = obj.size() == 0? false: true;

String[] aggregationValueArray = iterator.next();

String type = aggregationValueArray[1];

boolean limitMap = type.equalsIgnoreCase("limit")?true:false;

for(int i = 2; i < aggregationValueArray.length; i++) {

String[] sets = aggregationValueArray[i].split("\\|");

if(limitMap) {

P\_AggregationPLSQL.P\_AggregationLimitMap(sets, obj);

}

//基于sort key 前序treeMap 之后排序功能设计

//基于sort key 后序treeMap

}

}

return obj;

}

public static Object selectRowsByAttributesOfJoinGetCulumns(Map<String, Object> object) {

if(!object.containsKey("joinObj")) {

return new ArrayList<>();

}

List<Map<String, Object>> obj = ((List<Map<String, Object>>)(object.get("joinObj")));

List<String[]> getCulumnsValues = (List<String[]>) object.get("getCulumns");

Iterator<String[]> iterator = getCulumnsValues.iterator();

while(iterator.hasNext()) {

boolean overMap = obj.size() == 0? false: true;

String[] getCulumnsValueArray = iterator.next();

if(overMap) {

P\_GetCulumnsPLSQL.P\_GetCulumnsMap(obj, getCulumnsValueArray);

}

}

return obj;

}

public static Object selectRowsByAttributesOfJoinRelation(Map<String, Object> object) {

if(!object.containsKey("obj")||!object.containsKey("joinObj")) {

return new ArrayList<>();

}

Map<String,Boolean> findinNewObj = new HashMap<>();

List<Map<String, Object>> newObj = new ArrayList<Map<String, Object>>();

List<Map<String, Object>> obj = ((List<Map<String, Object>>)(object.get("obj")));

List<Map<String, Object>> joinObj= ((List<Map<String, Object>>)(object.get("joinObj")));

List<String[]> relationValues = (List<String[]>) object.get("relation");

Iterator<String[]> iterator = relationValues.iterator();

while(iterator.hasNext()) {

boolean overObjMap= obj.size() == 0? false: true;

boolean overJoinObjMap= joinObj.size() == 0? false: true;

String[] getRelationValueArray = iterator.next();

String type = getRelationValueArray[1];

boolean andMap = type.equalsIgnoreCase("and")?true:false;

for(int i= 2; i< getRelationValueArray.length; i++) {

String[] sets = getRelationValueArray[i].split("\\|");

if(overObjMap&& overJoinObjMap&&andMap && i>2) {

P\_RelationPLSQL.P\_AndMap(sets, obj, joinObj,object, newObj);

}else {

P\_RelationPLSQL.P\_OrMap(sets, obj, joinObj, object

, newObj, findinNewObj);

}

}

}

return newObj;

}

}

SelectNestRowsImp, 数据类

package MSQ.OP.SM.AOP.MEC.SIQ.SM.OSQ.E;

import java.io.BufferedReader;

import java.io.File;

import java.io.FileReader;

import java.io.IOException;

import java.util.ArrayList;

import java.util.HashMap;

import java.util.Iterator;

import java.util.List;

import java.util.Map;

import java.util.concurrent.ConcurrentHashMap;

import ME.SM.OP.SM.AOP.MEC.SIQ.E.P\_AggregationPLSQL;

import ME.SM.OP.SM.AOP.MEC.SIQ.E.P\_ConditionPLSQL;

import ME.SM.OP.SM.AOP.MEC.SIQ.E.P\_GetCulumnsPLSQL;

import ME.SM.OP.SM.AOP.MEC.SIQ.E.P\_RelationPLSQL;

import MS.OP.SM.AOP.MEC.SIQ.cache.DetaDBBufferCache\_M;

import OP.SM.AOP.MEC.SIQ.SM.reflection.Spec;

import PEU.P.cache.\*;

@SuppressWarnings({"unused", "unchecked"})

public class Q\_NestRows\_E {

public static Object selectRowsByAttributesOfNestCondition(Map<String

, Object> object) throws IOException {

if(!object.containsKey("recordRows")) {

Map<String, Boolean> recordRows = new ConcurrentHashMap<>();

object.put("recordRows", recordRows);

}

Spec spec = new Spec();

spec.setCulumnTypes(new ConcurrentHashMap<String, String>());

String objectType = "";

List<Map<String, Object>> output = new ArrayList<>();

//锁定数据库

String DBPath = Cache\_M.getCacheInfo("DBPath").getValue().toString() + "/"

+ object.get("nestBaseName").toString();

//锁定表

File fileDBPath = new File(DBPath);

if (fileDBPath.isDirectory()) {

String DBTablePath = DBPath + "/" + object.get("nestTableName").toString();

File fileDBTable = new File(DBTablePath);

if (fileDBTable.isDirectory()) {

String DBTableCulumnPath = DBTablePath + "/spec";

File fileDBTableCulumn = new File(DBTableCulumnPath);

if (fileDBTableCulumn.isDirectory()) {

//读取列数据格式

String[] fileList = fileDBTableCulumn.list();

for(int i=0; i<fileList.length; i++) {

File readDBTableSpecCulumnFile = new File(DBTableCulumnPath + "/"

+ fileList[0] + "/value.lyg");

BufferedReader reader = new BufferedReader(new FileReader(readDBTableSpecCulumnFile));

String tempString = null;

while ((tempString = reader.readLine()) != null) {

objectType = tempString;

}

reader.close();

spec.setCulumnType(fileList[i], objectType);

}

List<String[]> conditionValues = (List<String[]>) object.get(StableShellETL.SHELL\_ETL\_CONDITION);

Iterator<String[]> iterator = conditionValues.iterator();

while(iterator.hasNext()) {

boolean overMap = output.size() == 0? false: true;

String[] conditionValueArray = iterator.next();

String type = conditionValueArray[1];

boolean andMap = type.equalsIgnoreCase("and")?true:false;

for(int i = 2; i < conditionValueArray.length; i++) {

String[] sets = conditionValueArray[i].split("\\|");

if(overMap && andMap) {

P\_ConditionPLSQL.P\_Map(sets, output, DBTablePath);

}else if(DetaDBBufferCache\_M.dbCache){

P\_ConditionPLSQL.P\_Cache(sets, output

, object.get("nestTableName").toString()

, object.get("nestBaseName").toString(), object);

}else {

P\_ConditionPLSQL.P\_Table(sets, output, DBTablePath, object);

}

}

}

}

}

}

return output;

}

public static Object selectRowsByAttributesOfNestAggregation(Map<String, Object> object) {

if(!object.containsKey("joinObj")) {

return new ArrayList<>();

}

List<Map<String, Object>> obj = ((List<Map<String, Object>>)(object.get("obj")));

List<String[]> aggregationValues = (List<String[]>) object.get("aggregation");

Iterator<String[]> iterator = aggregationValues.iterator();

while(iterator.hasNext()) {

boolean overMap = obj.size() == 0? false: true;

String[] aggregationValueArray = iterator.next();

String type = aggregationValueArray[1];

boolean limitMap = type.equalsIgnoreCase("limit")?true:false;

for(int i = 2; i < aggregationValueArray.length; i++) {

String[] sets = aggregationValueArray[i].split("\\|");

if(limitMap) {

P\_AggregationPLSQL.P\_AggregationLimitMap(sets, obj);

}

//基于sort key 前序treeMap 之后排序功能设计

//基于sort key 后序treeMap

}

}

return obj;

}

public static Object selectRowsByAttributesOfNestGetCulumns(Map<String, Object> object) {

if(!object.containsKey("joinObj")) {

return new ArrayList<>();

}

List<Map<String, Object>> obj = ((List<Map<String, Object>>)(object.get("joinObj")));

List<String[]> getCulumnsValues = (List<String[]>) object.get("getCulumns");

Iterator<String[]> iterator = getCulumnsValues.iterator();

while(iterator.hasNext()) {

boolean overMap = obj.size() == 0? false: true;

String[] getCulumnsValueArray = iterator.next();

if(overMap) {

P\_GetCulumnsPLSQL.P\_GetCulumnsMap(obj, getCulumnsValueArray);

}

}

return obj;

}

public static Object selectRowsByAttributesOfNestRelation(Map<String, Object> object) {

if(!object.containsKey("obj")||!object.containsKey("joinObj")) {

return new ArrayList<>();

}

Map<String,Boolean> findinNewObj = new HashMap<>();

List<Map<String, Object>> newObj = new ArrayList<Map<String, Object>>();

List<Map<String, Object>> obj = ((List<Map<String, Object>>)(object.get("obj")));

List<Map<String, Object>> joinObj= ((List<Map<String, Object>>)(object.get("joinObj")));

List<String[]> relationValues = (List<String[]>) object.get("relation");

Iterator<String[]> iterator = relationValues.iterator();

while(iterator.hasNext()) {

boolean overObjMap= obj.size() == 0? false: true;

boolean overJoinObjMap= joinObj.size() == 0? false: true;

String[] getRelationValueArray = iterator.next();

String type = getRelationValueArray[1];

boolean andMap = type.equalsIgnoreCase("and")?true:false;

for(int i= 2; i< getRelationValueArray.length; i++) {

String[] sets = getRelationValueArray[i].split("\\|");

if(overObjMap&& overJoinObjMap&&andMap && i>2) {

P\_RelationPLSQL.P\_AndMap(sets, obj, joinObj, object, newObj);

}else {

P\_RelationPLSQL.P\_OrMap(sets, obj, joinObj, object

, newObj, findinNewObj);

}

}

}

return newObj;

}

}

SelectRowsImp, 数据类

package MSQ.OP.SM.AOP.MEC.SIQ.SM.OSQ.E;

import java.io.BufferedInputStream;

import java.io.BufferedReader;

import java.io.File;

import java.io.FileInputStream;

import java.io.FileNotFoundException;

import java.io.FileReader;

import java.io.IOException;

import java.util.ArrayList;

import java.util.HashMap;

import java.util.Iterator;

import java.util.List;

import java.util.Map;

import java.util.concurrent.ConcurrentHashMap;

import ME.SM.OP.SM.AOP.MEC.SIQ.E.P\_AggregationPLSQL;

import ME.SM.OP.SM.AOP.MEC.SIQ.E.P\_ConditionPLSQL\_XCDX\_Cache;

import ME.SM.OP.SM.AOP.MEC.SIQ.E.P\_ConditionPLSQL\_XCDX\_Map;

import ME.SM.OP.SM.AOP.MEC.SIQ.E.P\_ConditionPLSQL\_XCDX\_Table;

//import ME.SM.OP.SM.AOP.MEC.SIQ.E.P\_ConditionPLSQL;

import ME.SM.OP.SM.AOP.MEC.SIQ.E.P\_GetCulumnsPLSQL;

import MS.OP.SM.AOP.MEC.SIQ.cache.DetaDBBufferCache\_M;

import OP.SM.AOP.MEC.SIQ.SM.reflection.Spec;

import PEU.P.cache.\*;

import SVQ.stable.StableShellETL;

@SuppressWarnings({ "unused", "unchecked" })

public class Q\_Rows\_E {

public static List<Map<String, Object>> selectRowsByAttribute(String currentDB

, String tableName, String culmnName, Object value) throws IOException{

if(value==null) {

value="";

}

String objectType = "";

List<Map<String, Object>> output = new ArrayList<>();

//锁定数据库

String DBPath = Cache\_M.getCacheInfo("DBPath").getValue().toString() + "/" + currentDB;

//锁定表

File fileDBPath = new File(DBPath);

if (fileDBPath.isDirectory()) {

String DBTablePath = DBPath + "/" + tableName;

File fileDBTable = new File(DBTablePath);

if (fileDBTable.isDirectory()) {

String DBTableCulumnPath = DBTablePath + "/spec/" + culmnName;

File fileDBTableCulumn = new File(DBTableCulumnPath);

if (fileDBTableCulumn.isDirectory()) {

//读取列数据格式

String[] fileList = fileDBTableCulumn.list();

File readDBTableSpecCulumnFile = new File(DBTableCulumnPath + "/" + fileList[0]);

BufferedReader reader = new BufferedReader(new FileReader(readDBTableSpecCulumnFile));

String tempString = null;

while ((tempString = reader.readLine()) != null) {

objectType = tempString;

}

reader.close();

if(objectType.contains("string")) {

String DBTableRowsPath = DBTablePath + "/rows";

File fileDBTableRowsPath = new File(DBTableRowsPath);

if (fileDBTableRowsPath.isDirectory()) {

String[] rowList = fileDBTableRowsPath.list();

NextRow:

for(String row: rowList) {

Map<String, Object> rowMap = new HashMap<>();

String DBTableRowIndexPath = DBTablePath + "/rows/" + row;

File readDBTableRowIndexFile = new File(DBTableRowIndexPath);

if (readDBTableRowIndexFile.isDirectory()) {

String isDelete = DBTableRowIndexPath + "/is\_delete\_1" ;

File isDeleteFile = new File(isDelete);

if(isDeleteFile.exists()) {

continue NextRow;

}

String DBTableRowIndexCulumnPath = DBTableRowIndexPath + "/" + culmnName;

File readDBTableRowIndexCulumnFile = new File(DBTableRowIndexCulumnPath);

if (readDBTableRowIndexCulumnFile.isDirectory()) {

reader = new BufferedReader(new FileReader(readDBTableRowIndexCulumnFile + "/" + "value.lyg"));

String temp="";

while ((tempString = reader.readLine()) != null) {

temp += tempString;

}

reader.close();

if(temp.equalsIgnoreCase(value.toString())) {

String[] culumnList = readDBTableRowIndexFile.list();

NextFile:

for(String culumn: culumnList) {

if(culumn.contains("is\_delete")) {

continue NextFile;

}

String DBTableCulumnIndexPath = DBTableRowIndexPath + "/" + culumn;

File readDBTableCulumnIndexPathFile

= new File(DBTableCulumnIndexPath);

if (readDBTableRowIndexCulumnFile.isDirectory()) {

reader = new BufferedReader(

new FileReader(readDBTableCulumnIndexPathFile + "/" + "value.lyg"));

temp="";

while ((tempString = reader.readLine()) != null) {

temp += tempString;

}

reader.close();

rowMap.put(culumn, temp);

}else {

rowMap.put(culumn, null);

}

}

output.add(rowMap);

}

}

}

}

}

}

}

}

}

return output;

}

@SuppressWarnings("static-access")

public static void main(String[] args) {

try {

new Q\_Rows\_E().selectRowsByAttribute("backend", "login"

, "usr\_name", "yaoguangluo");

// deletefile("D:/file");

} catch (FileNotFoundException ex) {

} catch (IOException ex) {

}

System.out.println("ok");

}

public static Map<String, Object> selectRowsByTablePath(String tablePath, String pageBegin

, String pageEnd, String direction) throws IOException {

Map<String, Object> output = new HashMap<>();

int totalPages = 0;

output.put("tablePath", tablePath);

int rowBeginIndex = Integer.valueOf(pageBegin);

int rowEndIndex = Integer.valueOf(pageEnd);

String objectType = "";

List<Object> rowMapList = new ArrayList<>();

File fileDBTable = new File(tablePath);

if (fileDBTable.isDirectory()) {

String DBTableRowsPath = tablePath + "/rows";

File fileDBTableRowsPath = new File(DBTableRowsPath);

if (fileDBTableRowsPath.isDirectory()) {

File[] files = fileDBTableRowsPath.listFiles();

totalPages = files.length;

int i = 0;

int index = 0;

Here:

while(i<15) {

String DBTableRowIndexPath = DBTableRowsPath + "/row" + (direction.contains("next")? rowEndIndex++: --rowBeginIndex);

File readDBTableRowIndexFile = new File(DBTableRowIndexPath);

if (!readDBTableRowIndexFile.exists()) {

break;

}

File deleteTest = new File(DBTableRowIndexPath + "/is\_delete\_1");

if (deleteTest.exists()) {

continue Here;

}

i++;

Map<String, Object> rowMap = new HashMap<>();

String[] readDBTableRowCulumnsIndexFile = readDBTableRowIndexFile.list();

Map<String, Object> culumnMaps = new HashMap<>();

NextFile:

for(String readDBTableRowCulumnIndexFile: readDBTableRowCulumnsIndexFile) {

if(readDBTableRowCulumnIndexFile.contains("is\_delete")) {

continue NextFile;

}

Map<String, Object> culumnMap = new HashMap<>();

String DBTableRowIndexCulumnPath = DBTableRowIndexPath + "/" + readDBTableRowCulumnIndexFile;

File readDBTableRowIndexCulumnFile = new File(DBTableRowIndexCulumnPath);

if (readDBTableRowIndexCulumnFile.exists()) {

String temp = "";

FileInputStream fis = new FileInputStream(new File(DBTableRowIndexCulumnPath + "/value.lyg"));

BufferedInputStream bis = new BufferedInputStream(fis);

byte[] buffer = new byte[1024];

int cnt;

while((cnt = bis.read(buffer)) != -1) {

temp += new String(buffer, 0, cnt);

}

fis.close();

bis.close();

culumnMap.put(StableShellETL.SHELL\_ETL\_CULUMNNAME, readDBTableRowCulumnIndexFile);

culumnMap.put("culumnValue", temp);

culumnMaps.put(readDBTableRowCulumnIndexFile, culumnMap);

}

}

rowMap.put(StableShellETL.SHELL\_ETL\_ROWVALUE, culumnMaps);

if(direction.contains("next")) {

rowMap.put("rowIndex", rowEndIndex-1);

rowMapList.add(rowMap);

}else {

rowMap.put("rowIndex", rowBeginIndex);

rowMapList.add(0, rowMap);

}

}

}

}

if(direction.contains("next")) {

output.put("pageBegin", Integer.valueOf(pageEnd));

output.put("pageEnd", rowEndIndex);

output.put("totalPages", totalPages);

}else {

output.put("pageBegin", rowBeginIndex);

output.put("pageEnd", Integer.valueOf(pageBegin));

output.put("totalPages", totalPages);

}

output.put("obj", rowMapList);

List<Object> spec= new ArrayList<>();

Map<String, Object> row = (Map<String, Object>) rowMapList.get(0);

Map<String, Object> culumns = (Map<String, Object>) row.get(StableShellETL.SHELL\_ETL\_ROWVALUE);

Iterator<String> it=culumns.keySet().iterator();

while(it.hasNext()) {

spec.add(((Map<String, Object>)culumns.get(it.next())).get(StableShellETL.SHELL\_ETL\_CULUMNNAME).toString());

}

output.put("spec", spec);

return output;

}

//因为数据id的补充, 今天开始进行相应的debug验证 罗瑶光20210405

public static Object selectRowsByAttributesOfCondition(Map<String, Object> object) throws IOException {

if(!object.containsKey("recordRows")) {

Map<String, Boolean> recordRows = new ConcurrentHashMap<>();

object.put("recordRows", recordRows);

}

Spec spec = new Spec();

spec.I\_CulumnTypes(new ConcurrentHashMap<String, String>());

String objectType = "";

List<Map<String, Object>> output = new ArrayList<>();

//锁定数据库

String DBPath = Cache\_M.getCacheInfo("DBPath").getValue().toString() + "/"

+ object.get("baseName").toString();

//锁定表

File fileDBPath = new File(DBPath);

if (fileDBPath.isDirectory()) {

String DBTablePath = DBPath + "/" + object.get("tableName").toString();

File fileDBTable = new File(DBTablePath);

if (fileDBTable.isDirectory()) {

String DBTableCulumnPath = DBTablePath + "/spec";

File fileDBTableCulumn = new File(DBTableCulumnPath);

if (fileDBTableCulumn.isDirectory()) {

//读取列数据格式

String[] fileList = fileDBTableCulumn.list();

for(int i=0; i<fileList.length; i++) {

File readDBTableSpecCulumnFile = new File(DBTableCulumnPath + "/"

+ fileList[0]+"/value.lyg");

BufferedReader reader = new BufferedReader(new FileReader(readDBTableSpecCulumnFile));

String tempString = null;

while ((tempString = reader.readLine()) != null) {

objectType = tempString;

}

reader.close();

spec.I\_CulumnType(fileList[i], objectType);

}

List<String[]> conditionValues = (List<String[]>) object.get(StableShellETL.SHELL\_ETL\_CONDITION);

Iterator<String[]> iterator = conditionValues.iterator();

while(iterator.hasNext()) {

boolean overMap = output.size() == 0? false: true;

String[] conditionValueArray = iterator.next();

String type = conditionValueArray[1];

boolean andMap = type.equalsIgnoreCase("and")?true:false;

for(int i = 2; i < conditionValueArray.length; i++) {

String[] sets = conditionValueArray[i].split("\\|");

if(overMap&& andMap) {

P\_ConditionPLSQL\_XCDX\_Map.P\_Map(sets, output, DBTablePath);//1

}else if(DetaDBBufferCache\_M.dbCache){

P\_ConditionPLSQL\_XCDX\_Cache.P\_Cache(sets, output, object.get("tableName").toString()

, object.get("baseName").toString(), object);//1

}else {

//DMA的表格导入, 我等下同样进行验算,2年的编写过程全部朔源. 20210405 让猫腻 无死角.

P\_ConditionPLSQL\_XCDX\_Table.P\_Table(sets, output, DBTablePath, object);//1

}

}

}

}

}

}

return output;

}

public static List<Map<String, Object>> selectRowsByAttributesOfAggregation(Map<String, Object> object) {

if(!object.containsKey("obj")) {

return new ArrayList<>();

}

List<Map<String, Object>> obj = ((List<Map<String, Object>>)(object.get("obj")));

List<String[]> aggregationValues = (List<String[]>) object.get("aggregation");

Iterator<String[]> iterator = aggregationValues.iterator();

while(iterator.hasNext()) {

boolean overMap = obj.size() == 0? false: true;

String[] aggregationValueArray = iterator.next();

String type = aggregationValueArray[1];

boolean limitMap = type.equalsIgnoreCase("limit")?true:false;

for(int i = 2; i < aggregationValueArray.length; i++) {

String[] sets = aggregationValueArray[i].split("\\|");

String DBPath = Cache\_M.getCacheInfo("DBPath").getValue().toString()

+ "/" + object.get("baseName").toString();

String dBTablePath = DBPath + "/" + object.get("tableName").toString();

if(limitMap) {

P\_AggregationPLSQL.P\_AggregationLimitMap(sets, obj);

}

//基于sort key 前序treeMap 之后排序功能设计

//基于sort key 后序treeMap

}

}

return obj;

}

public static Object selectRowsByAttributesOfGetCulumns(Map<String, Object> object) {

if(!object.containsKey("obj")) {

return new ArrayList<>();

}

List<Map<String, Object>> obj = ((List<Map<String, Object>>)(object.get("obj")));

List<String[]> getCulumnsValues = (List<String[]>) object.get("getCulumns");

Iterator<String[]> iterator = getCulumnsValues.iterator();

while(iterator.hasNext()) {

boolean overMap = obj.size() == 0? false: true;

String[] getCulumnsValueArray = iterator.next();

if(overMap) {

P\_GetCulumnsPLSQL.P\_GetCulumnsMap(obj, getCulumnsValueArray);

}

}

return obj;

}

}

UpdateJoinRowsImp, 数据类

package MSU.OP.SM.AOP.MEC.SIQ.SM.update.E;

import java.io.BufferedReader;

import java.io.File;

import java.io.FileReader;

import java.io.IOException;

import java.util.ArrayList;

import java.util.HashMap;

import java.util.Iterator;

import java.util.List;

import java.util.Map;

import java.util.concurrent.ConcurrentHashMap;

import ME.SM.OP.SM.AOP.MEC.SIQ.E.P\_AggregationPLSQL;

//import ME.SM.OP.SM.AOP.MEC.SIQ.E.P\_ConditionPLSQL;

import ME.SM.OP.SM.AOP.MEC.SIQ.E.P\_ConditionPLSQL\_XCDX\_Cache;

import ME.SM.OP.SM.AOP.MEC.SIQ.E.P\_ConditionPLSQL\_XCDX\_Map;

import ME.SM.OP.SM.AOP.MEC.SIQ.E.P\_ConditionPLSQL\_XCDX\_Table;

import ME.SM.OP.SM.AOP.MEC.SIQ.E.P\_GetCulumnsPLSQL;

import ME.SM.OP.SM.AOP.MEC.SIQ.E.P\_RelationPLSQL;

import MS.OP.SM.AOP.MEC.SIQ.cache.DetaDBBufferCache\_M;

import OP.SM.AOP.MEC.SIQ.SM.reflection.Spec;

import PEU.P.cache.\*;

import SVQ.stable.StableShellETL;

@SuppressWarnings({"unused", "unchecked"})

public class U\_JoinRows\_E {

public static Object updateRowsByAttributesOfJoinCondition(Map<String, Object> object

, boolean mod) throws IOException {

if(!object.containsKey("recordRows")) {

Map<String, Boolean> recordRows = new ConcurrentHashMap<>();

object.put("recordRows", recordRows);

}

Spec spec = new Spec();

spec.I\_CulumnTypes(new ConcurrentHashMap<String, String>());

String objectType = "";

List<Map<String, Object>> output = new ArrayList<>();

//锁定数据库

String DBPath = Cache\_M.getCacheInfo("DBPath").getValue().toString() + "/"

+ object.get(StableShellETL.SHELL\_ETL\_JOIN\_BASE\_NAME).toString();

//锁定表

File fileDBPath = new File(DBPath);

if (fileDBPath.isDirectory()) {

String DBTablePath = DBPath + "/" + object.get("joinTableName").toString();

File fileDBTable = new File(DBTablePath);

if (fileDBTable.isDirectory()) {

String DBTableCulumnPath = DBTablePath + "/spec";

File fileDBTableCulumn = new File(DBTableCulumnPath);

if (fileDBTableCulumn.isDirectory()) {

//读取列数据格式

String[] fileList = fileDBTableCulumn.list();

for(int i=0; i<fileList.length; i++) {

File readDBTableSpecCulumnFile = new File(DBTableCulumnPath + "/"

+ fileList[0] + "/value.lyg");

BufferedReader reader = new BufferedReader(new FileReader(readDBTableSpecCulumnFile));

String tempString = null;

while ((tempString = reader.readLine()) != null) {

objectType = tempString;

}

reader.close();

spec.I\_CulumnType(fileList[i], objectType);

}

List<String[]> conditionValues = (List<String[]>) object.get(StableShellETL.SHELL\_ETL\_CONDITION);

Iterator<String[]> iterator = conditionValues.iterator();

while(iterator.hasNext()) {

boolean overMap = output.size() == 0? false: true;

String[] conditionValueArray = iterator.next();

String type = conditionValueArray[1];

boolean andMap = type.equalsIgnoreCase("and")?true:false;

for(int i = 2; i < conditionValueArray.length; i++) {

String[] sets = conditionValueArray[i].split("\\|");

if(overMap && andMap) {

P\_ConditionPLSQL\_XCDX\_Map.P\_Map(sets, output, DBTablePath);

}else if(DetaDBBufferCache\_M.dbCache){

P\_ConditionPLSQL\_XCDX\_Cache.P\_Cache(sets, output, object.get("joinTableName").toString()

, object.get(StableShellETL.SHELL\_ETL\_JOIN\_BASE\_NAME).toString(), object);

}else {

P\_ConditionPLSQL\_XCDX\_Table.P\_Table(sets, output, DBTablePath, object);

}

}

}

}

}

}

return output;

}

public static Object updateRowsByAttributesOfJoinAggregation(Map<String, Object> object, boolean mod) {

if(!object.containsKey("joinObj")) {

return new ArrayList<>();

}

List<Map<String, Object>> obj = ((List<Map<String, Object>>)(object.get("updateObj")));

List<String[]> aggregationValues = (List<String[]>) object.get("aggregation");

Iterator<String[]> iterator = aggregationValues.iterator();

while(iterator.hasNext()) {

boolean overMap = obj.size() == 0? false: true;

String[] aggregationValueArray = iterator.next();

String type = aggregationValueArray[1];

boolean limitMap = type.equalsIgnoreCase("limit")?true:false;

for(int i = 2; i < aggregationValueArray.length; i++) {

String[] sets = aggregationValueArray[i].split("\\|");

if(limitMap) {

P\_AggregationPLSQL.P\_AggregationLimitMap(sets, obj);

}

//基于sort key 前序treeMap 之后排序功能设计

//基于sort key 后序treeMap

}

}

return obj;

}

public static Object updateRowsByAttributesOfJoinGetCulumns(Map<String, Object> object) {

if(!object.containsKey("joinObj")) {

return new ArrayList<>();

}

List<Map<String, Object>> obj = ((List<Map<String, Object>>)(object.get("updateJoinObj")));

List<String[]> getCulumnsValues = (List<String[]>) object.get("getCulumns");

Iterator<String[]> iterator = getCulumnsValues.iterator();

while(iterator.hasNext()) {

boolean overMap = obj.size() == 0? false: true;

String[] getCulumnsValueArray = iterator.next();

if(overMap) {

P\_GetCulumnsPLSQL.P\_GetCulumnsMap(obj, getCulumnsValueArray);

}

}

return obj;

}

public static Object updateRowsByAttributesOfJoinRelation(Map<String, Object> object, boolean mod) {

if(!object.containsKey("updateObj")||!object.containsKey("updateJoinObj")) {

return new ArrayList<>();

}

Map<String,Boolean> findinNewObj = new HashMap<>();

List<Map<String, Object>> newObj = new ArrayList<Map<String, Object>>();

List<Map<String, Object>> obj = ((List<Map<String, Object>>)(object.get("updateObj")));

List<Map<String, Object>> joinObj= ((List<Map<String, Object>>)(object.get("updateJoinObj")));

List<String[]> relationValues = (List<String[]>) object.get("relation");

Iterator<String[]> iterator = relationValues.iterator();

while(iterator.hasNext()) {

boolean overObjMap= obj.size() == 0? false: true;

boolean overJoinObjMap= joinObj.size() == 0? false: true;

String[] getRelationValueArray = iterator.next();

String type = getRelationValueArray[1];

boolean andMap = type.equalsIgnoreCase("and")?true:false;

for(int i= 2; i< getRelationValueArray.length; i++) {

String[] sets = getRelationValueArray[i].split("\\|");

if(overObjMap&& overJoinObjMap&&andMap && i>2) {

P\_RelationPLSQL.P\_AndMap(sets, obj, joinObj,object, newObj);//1

}else {

P\_RelationPLSQL.P\_OrMap(sets, obj, joinObj, object, newObj, findinNewObj);

}

}

}

return newObj;

}

}

UpdateRowsImp, 数据类

package MSU.OP.SM.AOP.MEC.SIQ.SM.update.E;

import java.io.BufferedReader;

import java.io.File;

import java.io.FileNotFoundException;

import java.io.FileReader;

import java.io.FileWriter;

import java.io.IOException;

import java.util.ArrayList;

import java.util.HashMap;

import java.util.Iterator;

import java.util.List;

import java.util.Map;

import java.util.concurrent.ConcurrentHashMap;

import org.json.JSONObject;

import ME.SM.OP.SM.AOP.MEC.SIQ.E.P\_AggregationPLSQL;

import ME.SM.OP.SM.AOP.MEC.SIQ.E.P\_ConditionPLSQL\_XCDX\_Cache;

import ME.SM.OP.SM.AOP.MEC.SIQ.E.P\_ConditionPLSQL\_XCDX\_Map;

import ME.SM.OP.SM.AOP.MEC.SIQ.E.P\_ConditionPLSQL\_XCDX\_Table;

import ME.SM.OP.SM.AOP.MEC.SIQ.E.P\_GetCulumnsPLSQL;

import MS.OP.SM.AOP.MEC.SIQ.cache.DetaDBBufferCache\_M;

import OP.SM.AOP.MEC.SIQ.SM.reflection.Cell;

import OP.SM.AOP.MEC.SIQ.SM.reflection.Row;

import OP.SM.AOP.MEC.SIQ.SM.reflection.Spec;

import PEU.P.cache.\*;

import SVQ.stable.StableShellETL;

@SuppressWarnings("unchecked")

public class U\_Rows\_E {

public static Map<String, Object> updateRowByTablePathAndIndex(String tablePath, String pageIndex,

JSONObject jaculumnOfUpdateRow) throws FileNotFoundException, IOException {

String[] sets = tablePath.split("/");

int rowInsertIndex = Integer.valueOf(pageIndex);

File fileDBTable = new File(tablePath);

if (fileDBTable.isDirectory()) {

String DBTableRowsPath = tablePath + "/rows";

File fileDBTableRowsPath = new File(DBTableRowsPath);

if (fileDBTableRowsPath.isDirectory()) {

String DBTableRowIndexPath = DBTableRowsPath + "/row" + rowInsertIndex ;

File readDBTableRowIndexFile = new File(DBTableRowIndexPath);

if (readDBTableRowIndexFile.exists()) {

readDBTableRowIndexFile.mkdir();

Iterator<String> it = jaculumnOfUpdateRow.keys();

while(it.hasNext()) {

String culumnName = it.next();

String culumnValue = jaculumnOfUpdateRow.getString(culumnName);

String needCreatCulumnPath = DBTableRowIndexPath + "/" + culumnName;

File needCreatCulumn = new File(needCreatCulumnPath);

needCreatCulumn.delete();

needCreatCulumn.mkdir();

File needCreatCulumnFile = new File(needCreatCulumnPath + "/value.lyg");

needCreatCulumnFile.delete();

FileWriter fw = null;

try {

fw = new FileWriter(needCreatCulumnPath + "/value.lyg", true);

fw.write(null == culumnValue?"":culumnValue);

fw.close();

//fix buffer refresh

Cell cell = new Cell();

cell.I\_CellValue(null == culumnValue ? "" : culumnValue);

DetaDBBufferCache\_M.db.getBase(sets[sets.length - 2])

.getTable(sets[sets.length - 1]).getRow("row" + pageIndex).putCell(culumnName, cell);

} catch (IOException e) {

e.printStackTrace();

}

}

}

}

}

Map<String, Object> output = new HashMap<>();

output.put("totalPages", rowInsertIndex);

return output;

}

public static Map<String, Object> updateRowByTablePathAndAttribute(String tablePath

, String culumnName, String culumnValue,

JSONObject jobj) throws IOException {

String[] sets = tablePath.split("/");

File fileDBTable = new File(tablePath);

if (fileDBTable.isDirectory()) {

String DBTableRowsPath = tablePath + "/rows";

File fileDBTableRowsPath = new File(DBTableRowsPath);

if (fileDBTableRowsPath.isDirectory()) {

Here:

for(int i = 0; i < fileDBTableRowsPath.list().length; i++) {

String DBTableRowIndexPath = DBTableRowsPath + "/row" + i;

File readDBTableRowIndexFile = new File(DBTableRowIndexPath);

if (readDBTableRowIndexFile.exists()) {

readDBTableRowIndexFile.mkdir();

File check = new File(DBTableRowIndexPath + "/" + culumnName + "/value.lyg");

if(!check.exists()) {

continue Here;

}

BufferedReader reader = new BufferedReader(new FileReader(check));

String temp = "";

String tempString;

while ((tempString = reader.readLine()) != null) {

temp += tempString;

}

reader.close();

if(!temp.equalsIgnoreCase(culumnValue)) {

continue Here;

}

Iterator<String> it = jobj.keys();

while(it.hasNext()) {

String culumnNameOfjs = it.next();

String culumnValueOfjs = jobj.get(culumnNameOfjs).toString();

String needCreatCulumnPath = DBTableRowIndexPath + "/" + culumnNameOfjs;

File needCreatCulumn = new File(needCreatCulumnPath);

needCreatCulumn.delete();

needCreatCulumn.mkdir();

File needCreatCulumnFile = new File(needCreatCulumnPath + "/value.lyg");

needCreatCulumnFile.delete();

FileWriter fw = null;

try {

fw = new FileWriter(needCreatCulumnPath + "/value.lyg", true);

fw.write(null == culumnValueOfjs? "" : culumnValueOfjs);

fw.close();

//fix buffer refresh

Cell cell = new Cell();

cell.I\_CellValue(null == culumnValueOfjs ? "" : culumnValueOfjs);

DetaDBBufferCache\_M.db.getBase(sets[sets.length - 2])

.getTable(sets[sets.length - 1]).getRow("row" + i).putCell(culumnNameOfjs, cell);

} catch (IOException e) {

e.printStackTrace();

}

}

}

}

}

}

Map<String, Object> output = new HashMap<>();

return output;

}

public static Object updateRowsByRecordConditions(Map<String, Object> object, boolean mod) throws IOException {

String DBPath = Cache\_M.getCacheInfo("DBPath").getValue().toString() + "/"

+ object.get("baseName").toString();

String DBtablePath = DBPath + "/" + object.get("tableName").toString();

String DBTableRowsPath = DBtablePath + "/rows";

List<Map<String, Object>> updateObj = (List<Map<String, Object>>)object.get("updateObj");

Iterator<Map<String, Object>> updateObjIterator = updateObj.iterator();

List<String[]> culumnValues = (List<String[]>) object.get("culumnValue");

Iterator<String[]> culumnValuesIterator = culumnValues.iterator();

while(updateObjIterator.hasNext()) {

Map<String, Object> objRow = updateObjIterator.next();

Map<String, Object> objCells = (Map<String, Object>) objRow.get(StableShellETL.SHELL\_ETL\_ROWVALUE);

Map<String, Object> onjCell = (Map<String, Object>) objCells.get("Index");

String rowIndex = "row";

rowIndex += onjCell.get("culumnValue").toString();

while(culumnValuesIterator.hasNext()) {

String[] culumns = culumnValuesIterator.next();

String filePath = DBTableRowsPath + "/" + rowIndex + "/" +culumns[1] + "/value.lyg";

File currentCellChange = new File(filePath);

if(currentCellChange.exists()) {

if(mod) {

currentCellChange.delete();

FileWriter fw = null;

try {

fw = new FileWriter(filePath, true);

fw.write(culumns[2]);

fw.close();

} catch (IOException e) {

fw.close();

e.printStackTrace();

}

}

Cell cell = new Cell();

cell.I\_CellValue(culumns[2]);

Row row = DetaDBBufferCache\_M.db.getBase(object.get("baseName").toString())

.getTable(object.get("tableName").toString()).getRow(rowIndex);

if(mod) {

row.putCell(culumns[1], cell);

}

}

}

}

return object;

}

public static Object updateRowsByAttributesOfCondition(Map<String, Object> object

, boolean mod) throws IOException {

if(!object.containsKey("recordRows")) {

Map<String, Boolean> recordRows = new ConcurrentHashMap<>();

object.put("recordRows", recordRows);

}

Spec spec = new Spec();

spec.I\_CulumnTypes(new ConcurrentHashMap<String, String>());

String objectType = "";

List<Map<String, Object>> output = new ArrayList<>();

//锁定数据库

String DBPath = Cache\_M.getCacheInfo("DBPath").getValue().toString() + "/"

+ object.get("baseName").toString();

//锁定表

File fileDBPath = new File(DBPath);

if (fileDBPath.isDirectory()) {

String DBTablePath = DBPath + "/" + object.get("tableName").toString();

File fileDBTable = new File(DBTablePath);

if (fileDBTable.isDirectory()) {

String DBTableCulumnPath = DBTablePath + "/spec";

File fileDBTableCulumn = new File(DBTableCulumnPath);

if (fileDBTableCulumn.isDirectory()) {

//读取列数据格式

String[] fileList = fileDBTableCulumn.list();

for(int i=0; i<fileList.length; i++) {

File readDBTableSpecCulumnFile = new File(DBTableCulumnPath + "/"

+ fileList[0]+"/value.lyg");

BufferedReader reader = new BufferedReader(new FileReader(readDBTableSpecCulumnFile));

String tempString = null;

while ((tempString = reader.readLine()) != null) {

objectType = tempString;

}

reader.close();

spec.I\_CulumnType(fileList[i], objectType);

}

List<String[]> conditionValues = (List<String[]>) object.get(StableShellETL.SHELL\_ETL\_CONDITION);

Iterator<String[]> iterator = conditionValues.iterator();

while(iterator.hasNext()) {

boolean overMap = output.size() == 0? false: true;

String[] conditionValueArray = iterator.next();

String type = conditionValueArray[1];

boolean andMap = type.equalsIgnoreCase("and")?true:false;

for(int i = 2; i < conditionValueArray.length; i++) {

String[] sets = conditionValueArray[i].split("\\|");

if(overMap && andMap) {

P\_ConditionPLSQL\_XCDX\_Map.P\_Map(sets, output, DBTablePath);

}else if(DetaDBBufferCache\_M.dbCache){

P\_ConditionPLSQL\_XCDX\_Cache.P\_Cache(sets, output

, object.get("tableName").toString()

, object.get("baseName").toString(), object);

}else {

P\_ConditionPLSQL\_XCDX\_Table.P\_Table(sets, output, DBTablePath, object);

}

}

}

}

}

}

return output;

}

public static List<Map<String, Object>> updateRowsByAttributesOfAggregation(Map<String, Object> object, boolean mod) {

if(!object.containsKey("obj")) {

return new ArrayList<>();

}

List<Map<String, Object>> obj = ((List<Map<String, Object>>)(object.get("updateObj")));

List<String[]> aggregationValues = (List<String[]>) object.get("aggregation");

Iterator<String[]> iterator = aggregationValues.iterator();

while(iterator.hasNext()) {

// boolean overMap = obj.size() == 0? false: true;

String[] aggregationValueArray = iterator.next();

String type = aggregationValueArray[1];

boolean limitMap = type.equalsIgnoreCase("limit")?true:false;

for(int i = 2; i < aggregationValueArray.length; i++) {

String[] sets = aggregationValueArray[i].split("\\|");

//String DBPath = Cache\_M.getCacheInfo("DBPath").getValue().toString() + "/" + object.get("baseName").toString();

//String dBTablePath = DBPath + "/" + object.get("tableName").toString();

if(limitMap) {

P\_AggregationPLSQL.P\_AggregationLimitMap(sets, obj);

}

//基于sort key 前序treeMap 之后排序功能设计

//基于sort key 后序treeMap

}

}

return obj;

}

public static Object updateRowsByAttributesOfGetCulumns(Map<String, Object> object) {

if(!object.containsKey("obj")) {

return new ArrayList<>();

}

List<Map<String, Object>> obj = ((List<Map<String, Object>>)(object.get("updateObj")));

List<String[]> getCulumnsValues = (List<String[]>) object.get("getCulumns");

Iterator<String[]> iterator = getCulumnsValues.iterator();

while(iterator.hasNext()) {

boolean overMap = obj.size() == 0? false: true;

String[] getCulumnsValueArray = iterator.next();

if(overMap) {

P\_GetCulumnsPLSQL.P\_GetCulumnsMap(obj, getCulumnsValueArray);

}

}

return obj;

}

}

LoginServiceImpl, 数据类

package OP.SM.AOP.MEC.SIQ.VPC.PP.company.E;

import java.io.IOException;

import java.util.Date;

import java.util.Map;

import org.json.JSONObject;

import OP.SM.AOP.MEC.SIQ.VPC.PP.factory.E.LoginDAO\_E;

import PEU.P.dna.Token;

import PEU.P.dna.StringUtil;

import PEU.P.dna.TokenUtil;

import PEU.P.md5.Usr;

import PEU.P.md5.UsrToken;

public class LoginService\_E {

// @Autowired

// private LoginDAO loginDAO;

public static Usr findUsrByUEmail(String uEmail) throws IOException {

Usr usr = LoginDAO\_E.selectUsrByUEmail(uEmail);

return usr;

}

public static UsrToken findUsrTokenByUId(Integer uId) throws IOException {

UsrToken usrToken = LoginDAO\_E.selectUsrTokenByUId(uId);

return usrToken;

}

public static void U\_UsrTokenByUId(Integer uId, String key

, String uPassword, long uTime) throws IOException {

LoginDAO\_E.U\_UsrTokenByUId(uId, key, uPassword, uTime);

}

public static void IU\_RowByTablePath(String baseName, String tableName

, JSONObject jsobj) throws Exception {

LoginDAO\_E.IU\_RowByTablePath(baseName, tableName, jsobj);

}

public static String checkTokenStatus(String token, String level) throws Exception {

if (null == token) {

return "invalid 秘钥丢失请重新登陆。";

}

String json = StringUtil.decode(token);

JSONObject js;

try {

js = new JSONObject(json);

}catch(Exception e) {

return "invalid 秘钥错误请重新登陆。";

}

long uTime = js.getLong("uTime");

String uPassword = js.getString("mPassword");

String uEmail = js.getString("uEmail");

Usr usr = findUsrByUEmail(uEmail);

UsrToken usrToken = findUsrTokenByUId(usr.getuId());

//下面用DNA 替换了下, 之后进行组件测试.

String key= "";

String[] lock= new String[12];

lock[0] = "A"; lock[3] = "O"; lock[6] = "P"; lock[9] = "M";

lock[1] = "V"; lock[4] = "E"; lock[7] = "C"; lock[10] = "S";

lock[2] = "I"; lock[5] = "D"; lock[8] = "U"; lock[11] = "Q";

for(int loop= 0; loop< 4; loop++) {

int i= (int)(Math.random()\* 12)% 12;

key+= lock[i];

}

Token sessiontoken = new Token();

js.put("uKey", key);

String dnaPassword = TokenUtil.getFirstDNAPassword(key, usrToken.getuPassword(), sessiontoken);

sessiontoken.I\_uEmail(usr.getuEmail());

sessiontoken.I\_uKey(key);

sessiontoken.I\_uTime(new Date().getTime());

//token.I\_mPassword(mPassword);

sessiontoken.I\_mPassword(dnaPassword);

//String password = TokenUtil.getFirstMD5Password(js.getString("uKey"), usrToken.getuPassword());

//if (!uPassword.equals(password)) {

if (!uPassword.equals(dnaPassword)) {

return "invalid 密码错误。";

}

long nowTime = new Date().getTime();

if(uTime + 600000 < nowTime) {

return "invalid 10分钟超时，请重新登陆。";

}

if(level.contains("level")) {

String uLevel = usrToken.getuLevel();

if(!uLevel.contains("high")) {

return "invalid 权限不够";

}

}

return "valid";

}

public static String checkRightsStatus(String inEmail, String inPassword

, String level) throws Exception {

if (null == inEmail) {

return "invalid 秘钥丢失请重新登陆。";

}

//String uPassword = inPassword;

// String uEmail = inEmail;

// Usr usr = findUsrByUEmail(uEmail);

// UsrToken usrToken = findUsrTokenByUId(usr.getuId());

// //下面用DNA 替换了下, 之后进行组件测试.

// String key= "";

// String[] lock= new String[12];

// lock[0] = "A"; lock[3] = "O"; lock[6] = "P"; lock[9] = "M";

// lock[1] = "V"; lock[4] = "E"; lock[7] = "C"; lock[10] = "S";

// lock[2] = "I"; lock[5] = "D"; lock[8] = "U"; lock[11] = "Q";

// for(int loop= 0; loop< 4; loop++) {

// int i= (int)(Math.random()\* 12)% 12;

// key+= lock[i];

// }

// Token sessiontoken = new Token();

// String dnaPassword = TokenUtil.getFirstDNAPassword(key, inPassword, sessiontoken);

// sessiontoken.I\_uEmail(usr.getuEmail());

// sessiontoken.I\_uKey(key);

// sessiontoken.I\_uTime(new Date().getTime());

// //token.I\_mPassword(mPassword);

// sessiontoken.I\_mPassword(dnaPassword);

//String password = TokenUtil.getSecondMD5Password(inPassword);

// if (!usr.getuPassword().equals(usrToken.getuPassword())) {

// //if (!usr.getuPassword().equals(dnaPassword)) {

// return "invalid 密码错误。";

// }

return "valid";

}

// public static String checkRightsStatus(String inEmail, String inPassword

// , String level) throws Exception {

// if (null == inEmail) {

// return "invalid 秘钥丢失请重新登陆。";

// }

// //String uPassword = inPassword;

// String uEmail = inEmail;

// Usr usr = findUsrByUEmail(uEmail);

// //UsrToken usrToken = this.findUsrTokenByUId(usr.getuId());

// //下面用DNA 替换了下, 之后进行组件测试.

// String key= "";

// String[] lock= new String[12];

// lock[0] = "A"; lock[3] = "O"; lock[6] = "P"; lock[9] = "M";

// lock[1] = "V"; lock[4] = "E"; lock[7] = "C"; lock[10] = "S";

// lock[2] = "I"; lock[5] = "D"; lock[8] = "U"; lock[11] = "Q";

// for(int loop= 0; loop< 4; loop++) {

// int i= (int)(Math.random()\* 12)% 12;

// key+= lock[i];

// }

// Token sessiontoken = new Token();

// String dnaPassword = TokenUtil.getFirstDNAPassword(key, inPassword, sessiontoken);

// sessiontoken.I\_uEmail(usr.getuEmail());

// sessiontoken.I\_uKey(key);

// sessiontoken.I\_uTime(new Date().getTime());

// //token.I\_mPassword(mPassword);

// sessiontoken.I\_mPassword(dnaPassword);

// //String password = TokenUtil.getSecondMD5Password(inPassword);

// //if (!usr.getuPassword().equals(password)) {

// if (!usr.getuPassword().equals(dnaPassword)) {

// return "invalid 密码错误。";

// }

// return "valid";

// }

//因为集成了老版本前端，先MD5跑一下

public static String checkRightsStatusMD5(String inEmail, String inPassword

, String level) throws Exception {

if (null == inEmail) {

return "invalid ";

}

//String uPassword = inPassword;

String uEmail = inEmail;

Usr usr = findUsrByUEmail(uEmail);

//UsrToken usrToken = this.findUsrTokenByUId(usr.getuId());

String password = TokenUtil.getSecondMD5Password(inPassword);

if (!usr.getuPassword().equals(password)) {

return "invalid ";

}

return "valid";

}

public static String checkTokenStatusAndGetLevel(String token, String level

, Map<String, Object> output) throws Exception {

if (null == token || token.equalsIgnoreCase("undefined")) {

return "invalid 秘钥丢失请重新登陆。";

}

String json = StringUtil.decode(token);

JSONObject js;

try {

js = new JSONObject(json);

}catch(Exception e) {

return "invalid 秘钥错误请重新登陆。";

}

long uTime = js.getLong("uTime");

String uPassword = js.getString("mPassword");

String uEmail = js.getString("uEmail");

Usr usr = findUsrByUEmail(uEmail);

UsrToken usrToken = findUsrTokenByUId(usr.getuId());

//String password = TokenUtil.getFirstMD5Password(js.getString("uKey")

// , usrToken.getuPassword());

//下面用DNA 替换了下, 之后进行组件测试.

String key= "";

String[] lock= new String[12];

lock[0] = "A"; lock[3] = "O"; lock[6] = "P"; lock[9] = "M";

lock[1] = "V"; lock[4] = "E"; lock[7] = "C"; lock[10] = "S";

lock[2] = "I"; lock[5] = "D"; lock[8] = "U"; lock[11] = "Q";

for(int loop= 0; loop< 4; loop++) {

int i= (int)(Math.random()\* 12)% 12;

key+= lock[i];

}

Token sessiontoken = new Token();

js.put("uKey", key);

String dnaPassword = TokenUtil.getFirstDNAPassword(key, usrToken.getuPassword(), sessiontoken);

sessiontoken.I\_uEmail(usr.getuEmail());

sessiontoken.I\_uKey(key);

sessiontoken.I\_uTime(new Date().getTime());

//token.I\_mPassword(mPassword);

sessiontoken.I\_mPassword(dnaPassword);

//if (!uPassword.equals(password)) {

if (!uPassword.equals(dnaPassword)) {

return "invalid 密码错误。";

}

long nowTime = new Date().getTime();

if(uTime + 600000 < nowTime) {

return "invalid 10分钟超时，请重新登陆。";

}

if(level.contains("level")) {

String uLevel = usrToken.getuLevel();

if(!uLevel.contains("high")) {

return "invalid 权限不够";

}

}

output.put("usrName", "咨询专家" + usr.getuId());

return "valid" + usrToken.getuLevel();

}

//之后跑通 register 和login 后 整体进行check。优先级靠后 罗瑶光 20210801

public static String checkRightsStatusDNA(String inEmail, String INpassword, String string) throws IOException {

if (null == inEmail) {

return "invalid ";

}

//String uPassword = inPassword;

//String uEmail = inEmail;

//Usr usr = findUsrByUEmail(uEmail);

//UsrToken usrToken = this.findUsrTokenByUId(usr.getuId());

// String password= TokenUtil.getSecondMD5Password(INpassword);

// if (!usr.getuPassword().equals(password)) {

// return "invalid ";

// }

return "valid";

}

}

LoginDAOImpl, 数据类

package OP.SM.AOP.MEC.SIQ.VPC.PP.factory.E;

import java.io.IOException;

import java.util.List;

import java.util.Map;

import org.json.JSONObject;

import MSI.OP.SM.AOP.MEC.SIQ.SM.OSU.E.IU\_Rows\_E;

import MSQ.OP.SM.AOP.MEC.SIQ.SM.OSQ.E.Q\_Rows\_E;

import MSU.OP.SM.AOP.MEC.SIQ.SM.update.E.U\_Rows\_E;

import OP.SM.AOP.MEC.SIQ.VPC.view.UsrFull;

import PEU.P.cache.\*;

import PEU.P.md5.\*;

import SVQ.stable.StableCommon;

public class LoginDAO\_E {

// @Autowired

// private SelectRows selectRows;

//

// @Autowired

// private UpdateRows updateRows;

//

// @Autowired

// private InsertRows insertRows;

public static Usr selectUsrByUId(Integer uId) throws IOException {

List<Map<String, Object>> list = Q\_Rows\_E.selectRowsByAttribute("backend", "usr", "u\_id", "" + uId);

Usr usr = new Usr();

if(list.size() > 0) {

usr.I\_uAddress(list.get(0).get("u\_address")

!=null?list.get(0).get("u\_address").toString():"");

usr.I\_uAge(Integer.valueOf(list.get(0).get("u\_age")

!=null?list.get(0).get("u\_age").toString():"0"));

usr.I\_uClass(list.get(0).get("u\_class")!=null?list.get(0).get("u\_class").toString():"");

usr.I\_uEmail(list.get(0).get("u\_email").toString());

usr.I\_uId(Integer.valueOf(list.get(0).get("u\_id").toString()));

usr.I\_uName(list.get(0).get("u\_name").toString());

usr.I\_uPhone(list.get(0).get("u\_phone")!=null?list.get(0).get("u\_phone").toString():"");

usr.I\_uQq(list.get(0).get("u\_qq")!=null?list.get(0).get("u\_qq").toString():"");

usr.I\_uSex(list.get(0).get("u\_sex")!=null?list.get(0).get("u\_sex").toString():"");

usr.I\_uWeChat(list.get(0).get("u\_weChat")!=null?list.get(0).get("u\_weChat").toString():"");

}

return usr;

}

public static UsrToken selectUsrTokenByUId(Integer uId) throws IOException {

List<Map<String, Object>> list

= Q\_Rows\_E.selectRowsByAttribute("backend", "usrToken", "u\_id", StableCommon.STRING\_EMPTY+ uId);

UsrToken usrToken = new UsrToken();

if(list.size() > 0) {

usrToken.I\_uId(Integer.valueOf(list.get(0).get("u\_id").toString()));

usrToken.I\_uKey(list.get(0).get("u\_key")

!= null?list.get(0).get("u\_key").toString():"");

usrToken.I\_uPassword(list.get(0).get("u\_password").toString());

usrToken.I\_uTime(Integer.valueOf(list.get(0).get("u\_time")

!= null?list.get(0).get("u\_time").toString():"0"));

usrToken.I\_uLevel(list.get(0).get("u\_level")

!= null?list.get(0).get("u\_level").toString():"");

}

return usrToken;

}

public static UsrFull selectUsrFullByUId(Integer uId) {

// TODO Auto-generated method stub

return null;

}

public static Usr selectUsrByUEmail(String uEmail) throws IOException {

List<Map<String, Object>> list = Q\_Rows\_E.selectRowsByAttribute("backend", "usr", "u\_email", uEmail);

Usr usr = new Usr();

if(list.size() > 0) {

usr.I\_uAddress(list.get(0).get("u\_address")

!= null?list.get(0).get("u\_address").toString():"");

usr.I\_uAge(Integer.valueOf(list.get(0).get("u\_age")

!= null?list.get(0).get("u\_age").toString():"0"));

usr.I\_uClass(list.get(0).get("u\_class")

!= null?list.get(0).get("u\_class").toString():"");

usr.I\_uEmail(list.get(0).get("u\_email").toString());

usr.I\_uId(Integer.valueOf(list.get(0).get("u\_id").toString()));

usr.I\_uName(list.get(0).get("u\_name").toString());

usr.I\_uPhone(list.get(0).get("u\_phone")

!= null?list.get(0).get("u\_phone").toString():"");

usr.I\_uQq(list.get(0).get("u\_qq")

!= null?list.get(0).get("u\_qq").toString():"");

usr.I\_uSex(list.get(0).get("u\_sex")

!= null?list.get(0).get("u\_sex").toString():"");

usr.I\_uWeChat(list.get(0).get("u\_weChat")

!= null?list.get(0).get("u\_weChat").toString():"");

usr.I\_uPassword(list.get(0).get("u\_password")

!= null?list.get(0).get("u\_password").toString():"");

}

return usr;

}

public static void U\_UsrByUId(Integer uId, String uName, String uAge

, String uSex, String uPhone, String uAddress,

String uWeChat, String uClass, String uEmail, String uQq) throws IOException {

JSONObject jobj = new JSONObject();

jobj.put("u\_id", uId);

jobj.put("u\_name", uName);

jobj.put("u\_age", uAge);

jobj.put("u\_sex", uSex);

jobj.put("u\_phone", uPhone);

jobj.put("u\_address", uAddress);

jobj.put("u\_weChat", uWeChat);

jobj.put("u\_class", uClass);

jobj.put("u\_email", uEmail);

jobj.put("u\_qq", uQq);

U\_Rows\_E.updateRowByTablePathAndAttribute(Cache\_M.getCacheInfo("DBPath")

.getValue()+"/backend/usr"

, "u\_id", "" + uId, jobj);

// TODO Auto-generated method stub

}

public static void U\_UsrTokenByUId(Integer uId, String uKey, String uPassword

, long uTime) throws IOException {

JSONObject jobj = new JSONObject();

jobj.put("u\_id", uId);

jobj.put("u\_key", uKey);

jobj.put("u\_password", uPassword);

jobj.put("u\_time", uTime);

U\_Rows\_E.updateRowByTablePathAndAttribute(Cache\_M.getCacheInfo("DBPath")

.getValue()+"/backend/usrToken"

, "u\_id", "" + uId, jobj);

// TODO Auto-generated method stub

}

public static void IU\_Usr(String uName, String uAge, String uSex, String uPhone

, String uAddress, String uWeChat,

String uClass, String uEmail, String uQq) {

// TODO Auto-generated method stub

}

public static void IU\_Usroken(Integer uId, String uKey, String uPassword, long uTime) {

// TODO Auto-generated method stub

}

public static void IU\_RowByTablePath(String baseName, String tableName

, JSONObject jsobj) throws Exception {

IU\_Rows\_E.insertRowByBaseName(baseName, tableName, jsobj, true);

}

}

RestControllerPortImpl, 控制类

package OP.SM.AOP.MEC.SIQ.VPC.PP.port.E;

import org.json.JSONException;

import OP.SM.AOP.MEC.SIQ.VPC.PP.company.E.LoginService\_E;

import PEU.P.cache.\*;

import java.io.BufferedReader;

import java.io.File;

import java.io.IOException;

import java.io.InputStreamReader;

import java.net.HttpURLConnection;

import java.net.MalformedURLException;

import java.net.URL;

import java.util.ArrayList;

import java.util.HashMap;

import java.util.List;

import java.util.Map;

public class Rest\_C\_Port\_E {

public static Map<String, Object> startResults(int aa, String token, String auth)

throws NumberFormatException, JSONException, Exception {

Map<String, Object> result = new HashMap<String, Object>();

String checkStatus = LoginService\_E.checkTokenStatus(token, "common");

if(checkStatus.contains("invalid")&&(auth.contains("1"))) {

result.put("loginInfo", "unsuccess");

result.put("returnResult", checkStatus);

return result;

}

result.put("end", aa);

// System.out.println("4444" + result.get("end"));

// String AA = helloBean.saySomething(aa);

// result.put("end", AA);

return result;

//return Response.status(Status.OK).entity(result).build();

/\*

Session session = HibernateUtil.getSessionFactory().openSession();

session.beginTransaction();

Map<String, Object> result=new HashMap<String, Object>();

String hql = "FROM Lolroler as l where l.name= :userName";

Query query = session.createQuery(hql);

result.put("end", results);

query.setString("userName", "Vi");

List<Lolroler> results = query.list();

session.getTransaction().commit();

return Response.status(Status.OK).entity(result).build();

\*/

/\*

if(null == redisTemplate.opsForValue().get("click")){

redisTemplate.opsForValue().set("click", "0" , 24000 , TimeUnit.HOURS);

}else{

String click = redisTemplate.opsForValue().get("click");

long click\_long = Long.parseLong(click);

click\_long += 1;

redisTemplate.opsForValue().set("click", String.valueOf(click\_long) , 24000 , TimeUnit.HOURS);

}

System.out.println(1111);

EventDispatcher dispatcher = new EventDispatcher();

dispatcher.registerHandler(UserCreatedEvent.class, new UserCreatedEventHandler());

System.out.println(2222);

User user = new User("iluwatar");

dispatcher.dispatch(new UserCreatedEvent(user));

System.out.println(3333);

Map<String, Object> result=new HashMap<String, Object>();

result.put("end", user.getUsername());

System.out.println("4444"+result.get("end"));

return Response.status(Status.OK).entity(result).build();

\*/

}

public static Map<String, Object> startResultsBb(int bb, String token, String auth)

throws NumberFormatException, JSONException, Exception {

Map<String, Object> output = new HashMap<>();

String checkStatus = LoginService\_E.checkTokenStatus(token, "common");

if(checkStatus.contains("invalid")&&(auth.contains("1"))) {

output.put("loginInfo", "unsuccess");

output.put("returnResult", checkStatus);

return output;

}

try {

URL url = new URL("http://localhost:3306/aa?aa=1");

System.out.println("http://localhost:3306/aa?aa=1");

HttpURLConnection conn = (HttpURLConnection) url.openConnection();

conn.setRequestMethod("GET");

conn.setRequestProperty("Accept", "application/json");

if (conn.getResponseCode() != 200) {

throw new RuntimeException("Failed : HTTP error code : "

+ conn.getResponseCode());

}

BufferedReader br = new BufferedReader(new InputStreamReader(

(conn.getInputStream())));

String out = "";

String out1;

System.out.println("Output from Server .... \n");

while ((out1 = br.readLine()) != null) {

out += out1;

}

output.put("result", out);

conn.disconnect();

} catch (MalformedURLException e) {

e.printStackTrace();

} catch (IOException e) {

e.printStackTrace();

}

return output;

}

public static Map<String, Object> getDBCategory(String baseName, String token, String auth) throws Exception {

Map<String, Object> output = new HashMap<>();

if(token != null && !token.equalsIgnoreCase("")){

String checkStatus = LoginService\_E.checkTokenStatus(token, "common");

if(checkStatus.contains("invalid")&&((auth==null?"1":auth).contains("1"))) {

output.put("loginInfo", "unsuccess");

output.put("returnResult", checkStatus);

return output;

}

}else{

output.put("loginInfo", "unsuccess");

output.put("returnResult", "invalid request");

return output;

}

String DBPath = Cache\_M.getCacheInfo("DBPath").getValue().toString() + "/" + baseName;

//锁定表

Map<String, Object> table = new HashMap<>();

File fileDBPath = new File(DBPath);

if (fileDBPath.isDirectory()) {

String[] files = fileDBPath.list();

for(String file:files) {

table.put(file, DBPath + "/" + file);

}

}

Map<String, Map<String, Object>> bases = new HashMap<>();

bases.put(baseName, table);

output.put("obj", bases);

return output;

}

public static Map<String, Object> getAllDBCategory(String token, String auth) throws Exception {

Map<String, Object> output = new HashMap<>();

if(token != null && !token.equalsIgnoreCase("")){

String checkStatus = LoginService\_E.checkTokenStatus(token, "common");

if(checkStatus.contains("invalid")&&((auth==null?"1":auth).contains("1"))) {

output.put("loginInfo", "unsuccess");

output.put("returnResult", checkStatus);

return output;

}

}else{

output.put("loginInfo", "unsuccess");

output.put("returnResult", "invalid request");

return output;

}

String DBPath = Cache\_M.getCacheInfo("DBPath").getValue().toString();

Map<String, Object> db = new HashMap<>();

List<Object> baseList = new ArrayList<>();

File fileDBPath = new File(DBPath);

if (fileDBPath.isDirectory()) {

String[] files = fileDBPath.list();

for(String file:files) {

Map<String, Object> base = new HashMap<>();

String DBBasePath = DBPath + "/" + file;

File fileDBBasePath = new File(DBBasePath);

if (fileDBBasePath.isDirectory()) {

List<Object> tableList = new ArrayList<>();

String[] filesInfileDBBasePath = fileDBBasePath.list();

for(String fileInfileDBBasePath: filesInfileDBBasePath) {

Map<String, Object> table = new HashMap<>();

String DBTablePath = DBBasePath + "/" + fileInfileDBBasePath;

table.put("tableName", fileInfileDBBasePath);

table.put("tablePath", DBTablePath);

tableList.add(table);

}

base.put("tableList", tableList);

}

base.put("baseName", file);

base.put("basePath", DBBasePath);

baseList.add(base);

}

db.put("baseList", baseList);

}

db.put("dbName", "deta");

db.put("dbPath", DBPath);

//锁定表

return db;

}

}

RestDBConfigImpl，WEB接口类

package OP.SM.AOP.MEC.SIQ.VPC.PP.port.E;

import java.io.File;

import java.io.FileWriter;

import java.util.HashMap;

import java.util.Map;

import OP.SM.AOP.MEC.SIQ.VPC.PP.company.E.LoginService\_E;

import PEU.P.cache.\*;

public class RestDBConfig\_E {

public static Map<String, String> setDBPath(String basePath

, String token, String auth) throws Exception {

Map<String, String> output= new HashMap<String, String>();

String checkStatus = LoginService\_E.checkTokenStatus(token, "level");

if(checkStatus.contains("invalid")&&(auth.contains("1"))) {

output.put("loginInfo", "unsuccess");

output.put("returnResult", checkStatus);

return output;

}

//检查配置文件

File config = new File("C:/DBconfig.lyg");

if (config.exists()) {

config.delete();

}

//重写配置文件

FileWriter fw = null;

fw = new FileWriter("C:/DBconfig.lyg", true);

fw.write("path->" + basePath);

fw.close();

//写缓存

Cache c = new Cache();

c.I\_Value(basePath);

Cache\_M.putCache("DBPath", c);

//锁定表

File fileDBPath = new File(basePath);

if (fileDBPath.isDirectory()) {

output.put("info", "isDirectory" + Cache\_M.getCacheInfo("DBPath")

.getValue().toString());

}else {

fileDBPath.mkdir();

output.put("info", "isCreated" + Cache\_M.getCacheInfo("DBPath")

.getValue().toString());

}

return output;

}

public static Map<String, String> setDBTable(String tableName, String token

, String auth) throws Exception {

Map<String, String> output = new HashMap<String, String>();

String checkStatus = LoginService\_E.checkTokenStatus(token, "level");

if(checkStatus.contains("invalid")&&(auth.contains("1"))) {

output.put("loginInfo", "unsuccess");

output.put("returnResult", checkStatus);

return output;

}

//是否有

String DBPath = Cache\_M.getCacheInfo("DBPath").getValue().toString() +"/"+ tableName;

//锁定表

File fileDBPath = new File(DBPath);

if (fileDBPath.isDirectory()) {

output.put("info", "isDirectory:"+DBPath);

}else {

fileDBPath.mkdir();

output.put("info", "isCreated:"+DBPath);

}

//有就输出

//没有就创建

return output;

}

}

RestDBDeleteImpl, WEB接口类

package OP.SM.AOP.MEC.SIQ.VPC.PP.port.E;

import java.util.HashMap;

import java.util.Map;

import MSD.OP.SM.AOP.MEC.SIQ.SM.OSD.E.D\_Rows\_E;

import OP.SM.AOP.MEC.SIQ.VPC.PP.company.E.LoginService\_E;

public class RestDB\_DE {

public static Map<String, Object> deleteRowByTablePathAndIndex(String tablePath

, String pageIndex, String token

, String email, String password, String auth) throws Exception {

Map<String, Object> output = new HashMap<String, Object>();

if(token != null && !token.equalsIgnoreCase("")){

String checkStatus = LoginService\_E.checkTokenStatus(token, "level");

if(checkStatus.contains("invalid")&&(auth.contains("1"))) {

output.put("loginInfo", "unsuccess");

output.put("returnResult", checkStatus);

return output;

}

}else if(email != null && !email.equalsIgnoreCase("")){

String checkStatus = LoginService\_E.checkRightsStatus(email, password, "DB");

if(checkStatus.contains("invalid")) {

output.put("loginInfo", "unsuccess");

output.put("returnResult", checkStatus);

return output;

}

}else{

output.put("loginInfo", "unsuccess");

output.put("returnResult", "invalid request");

return output;

}

return D\_Rows\_E.deleteRowByTablePathAndIndex(tablePath, pageIndex, true);

}

}

RestDBInsertImpl, WEB接口类

package OP.SM.AOP.MEC.SIQ.VPC.PP.port.E;

import org.json.JSONObject;

import MSI.OP.SM.AOP.MEC.SIQ.SM.OSU.E.IU\_Rows\_E;

import OP.SM.AOP.MEC.SIQ.VPC.PP.company.E.LoginService\_E;

import java.util.HashMap;

import java.util.Map;

public class RestDB\_IUE {

public static Map<String, Object> insertRowByTablePath(String tablePath, String pageIndex, String culumnOfNewRow, String token, String email, String password

, String auth) throws Exception {

Map<String, Object> output = new HashMap<String, Object>();

if(token != null && !token.equalsIgnoreCase("")){

String checkStatus = LoginService\_E.checkTokenStatus(token, "common");

if(checkStatus.contains("invalid")&&(auth.contains("1"))) {

output.put("loginInfo", "unsuccess");

output.put("returnResult", checkStatus);

return output;

}

}else if(email != null && !email.equalsIgnoreCase("")){

String checkStatus = LoginService\_E.checkRightsStatus(email, password, "DB");

if(checkStatus.contains("invalid")) {

output.put("loginInfo", "unsuccess");

output.put("returnResult", checkStatus);

return output;

}

}else{

output.put("loginInfo", "unsuccess");

output.put("returnResult", "invalid request");

return output;

}

JSONObject jaculumnOfNewRow=new JSONObject(culumnOfNewRow);

output = IU\_Rows\_E.insertRowByTablePathAndIndex(tablePath, pageIndex, jaculumnOfNewRow);

return output;

}

public static Map<String, Object> insertRowByBaseName(String baseName, String tableName, String culumnOfNewRow, String token, String email, String password

, String auth) throws Exception {

Map<String, Object> output = new HashMap<String, Object>();

String checkStatus = LoginService\_E.checkRightsStatus(email, password, "DB");

if(checkStatus.contains("invalid")) {

output.put("loginInfo", "unsuccess");

output.put("returnResult", checkStatus);

return output;

}

checkStatus = LoginService\_E.checkTokenStatus(token, "common");

if(checkStatus.contains("invalid")&&(auth.contains("1"))) {

output.put("loginInfo", "unsuccess");

output.put("returnResult", checkStatus);

return output;

}

JSONObject jaculumnOfNewRow=new JSONObject(culumnOfNewRow);

output = IU\_Rows\_E.insertRowByBaseName(baseName, tableName, jaculumnOfNewRow, true);

return output;

}

}

RestDBPLSQLImpl, WEB接口类

package OP.SM.AOP.MEC.SIQ.VPC.PP.port.E;

import java.util.HashMap;

import java.util.Map;

import org.json.JSONObject;

import ME.SM.OP.SM.AOP.MEC.SIQ.E.E\_PLSQL\_E;

import OP.SM.AOP.MEC.SIQ.VPC.PP.company.E.LoginService\_E;

import OSI.AOP.MS.VPC.S.hall.DatabaseLog\_H;

import PEU.P.md5.\*;

//

//baseName:backend;

//tableName:usr:update;

//condition:or:u\_id|<|200;

//culumnValue:u\_email:77777;

public class RestDBPLSQL\_E {

public static Map<String, Object> restDBPLSQLImpl(String token,

String email, String password, String auth, String plsql

, String mod) throws Exception{

Map<String, Object> output = new HashMap<String, Object>();

String who = "";

//security monitor

if(token != null && !token.equalsIgnoreCase("")){

String checkStatus = LoginService\_E.checkTokenStatus(token, "common");

if(checkStatus.contains("invalid")&&(auth.contains("1"))) {

output.put("loginInfo", "unsuccess");

output.put("returnResult", checkStatus);

return output;

}

String json = StringUtil.decode(token);

JSONObject js = new JSONObject(json);

who = js.getString("uEmail");

}else if(email != null && !email.equalsIgnoreCase("")){

String checkStatus = LoginService\_E.checkRightsStatus(email, password, "DB");

if(checkStatus.contains("invalid")) {

output.put("loginInfo", "unsuccess");

output.put("returnResult", checkStatus);

return output;

}

who = email;

}else{

output.put("loginInfo", "unsuccess");

output.put("returnResult", "invalid request");

return output;

}

//write monior

if(plsql.contains("update")||plsql.contains("insert")||plsql.contains("delete")

||plsql.contains("drop")||plsql.contains("change")||plsql.contains("create")) {

DatabaseLog\_H.writeLogFile(System.currentTimeMillis(), who, plsql);

try {

E\_PLSQL\_E.E\_PLSQL(plsql, false);

}catch(Exception e) {

output.put("loginInfo", "unsuccess");

output.put("returnResult", "invalid plsql");

return output;

}

if(null != mod && mod.equalsIgnoreCase("true")) {

output = E\_PLSQL\_E.E\_PLSQL(plsql, true);

}

}else {

output = E\_PLSQL\_E.E\_PLSQL(plsql, true);

}

return output;

}

}

RestDBSelectImpl, WEB接口类

package OP.SM.AOP.MEC.SIQ.VPC.PP.port.E;

import java.util.HashMap;

import java.util.Map;

import MSQ.OP.SM.AOP.MEC.SIQ.SM.OSQ.E.Q\_Rows\_E;

import OP.SM.AOP.MEC.SIQ.VPC.PP.company.E.LoginService\_E;

public class RestDB\_QE {

public static Map<String, Object> selectRowsByAttribute(String baseName,

String tableName, String culumnName, String value, String token,

String email, String password, String auth) throws Exception{

Map<String, Object> output = new HashMap<String, Object>();

if(token != null && !token.equalsIgnoreCase("")){

String checkStatus = LoginService\_E.checkTokenStatus(token, "common");

if(checkStatus.contains("invalid")&&(auth.contains("1"))) {

output.put("loginInfo", "unsuccess");

output.put("returnResult", checkStatus);

return output;

}

}else if(email != null && !email.equalsIgnoreCase("")){

String checkStatus = LoginService\_E.checkRightsStatusDNA(email, password, "DB");

if(checkStatus.contains("invalid")) {

output.put("loginInfo", "unsuccess");

output.put("returnResult", checkStatus);

return output;

}

}else{

output.put("loginInfo", "unsuccess");

output.put("returnResult", "invalid request");

return output;

}

output.put("obj", Q\_Rows\_E.selectRowsByAttribute(baseName, tableName, culumnName, value));

return output;

}

public static Map<String, Object> selectRowsByTablePath(String tablePath, String pageBegin, String pageEnd, String direction

, String token, String email, String password, String auth) throws Exception {

Map<String, Object> output = new HashMap<String, Object>();

if(token != null && !token.equalsIgnoreCase("")){

String checkStatus = LoginService\_E.checkTokenStatus(token, "common");

if(checkStatus.contains("invalid")&&(auth.contains("1"))) {

output.put("loginInfo", "unsuccess");

output.put("returnResult", checkStatus);

return output;

}

}else if(email != null && !email.equalsIgnoreCase("")){

String checkStatus = LoginService\_E.checkRightsStatus(email, password, "DB");

if(checkStatus.contains("invalid")) {

output.put("loginInfo", "unsuccess");

output.put("returnResult", checkStatus);

return output;

}

}else{

output.put("loginInfo", "unsuccess");

output.put("returnResult", "invalid request");

return output;

}

// if(Cache\_M.getCacheInfo(tablePath + StableCommon.STRING\_SYMBOL\_PER + pageBegin + StableCommon.STRING\_SYMBOL\_PER + pageEnd

//+ StableCommon.STRING\_SYMBOL\_PER + direction) != null) {

// output = (Map<String, Object>)(Cache\_M.getCacheInfo(tablePath

//+ StableCommon.STRING\_SYMBOL\_PER + pageBegin + StableCommon.STRING\_SYMBOL\_PER + pageEnd + StableCommon.STRING\_SYMBOL\_PER + direction).getValue());

// return output;

// }

output = Q\_Rows\_E.selectRowsByTablePath(tablePath, pageBegin, pageEnd, direction);

// if(tablePath.equalsIgnoreCase("c:/DetaDB/frontend/login")) {

// Cache c = new Cache();

// c.setValue(output);

// Cache\_M.putCache(tablePath + StableCommon.STRING\_SYMBOL\_PER + pageBegin + StableCommon.STRING\_SYMBOL\_PER + pageEnd + StableCommon.STRING\_SYMBOL\_PER + direction, c);

// }

return output;

}

}

RestDBUpdateImpl, WEB接口类

package OP.SM.AOP.MEC.SIQ.VPC.PP.port.E;

import org.json.JSONObject;

import MSU.OP.SM.AOP.MEC.SIQ.SM.update.E.U\_Rows\_E;

import OP.SM.AOP.MEC.SIQ.VPC.PP.company.E.LoginService\_E;

import java.util.HashMap;

import java.util.Map;

public class RestDB\_UE {

public static Map<String, Object> updateRowByTablePathAndIndex(String tablePath

, String pageIndex,String culumnOfUpdateRow, String token, String email

, String password, String auth) throws Exception {

Map<String, Object> output = new HashMap<String, Object>();

if(token != null && !token.equalsIgnoreCase("")){

String checkStatus = LoginService\_E.checkTokenStatus(token, "level");

if(checkStatus.contains("invalid")&&(auth.contains("1"))) {

output.put("loginInfo", "unsuccess");

output.put("returnResult", checkStatus);

return output;

}

}else if(email != null && !email.equalsIgnoreCase("")){

String checkStatus = LoginService\_E.checkRightsStatus(email, password, "DB");

if(checkStatus.contains("invalid")) {

output.put("loginInfo", "unsuccess");

output.put("returnResult", checkStatus);

return output;

}

}else{

output.put("loginInfo", "unsuccess");

output.put("returnResult", "invalid request");

return output;

}

JSONObject jaculumnOfUpdateRow = new JSONObject(culumnOfUpdateRow);

return U\_Rows\_E.updateRowByTablePathAndIndex(tablePath, pageIndex, jaculumnOfUpdateRow);

}

}

RestLoginPortImpl, WEB接口类

package OP.SM.AOP.MEC.SIQ.VPC.PP.port.E;

import org.json.JSONException;

import OP.SM.AOP.MEC.SIQ.VPC.PP.company.E.LoginService\_E;

import OP.SM.AOP.MEC.SIQ.VPC.transaction.TransactionDelegate;

import java.io.IOException;

import java.util.HashMap;

import java.util.Map;

public class RestLoginPort\_E {

public static Map<String, Object> login(String uEmail, String uPassword) throws Exception {

Map<String, Object> map = TransactionDelegate.transactionLogin(uEmail, uPassword);

return map;

}

public static Map<String, Object> logout(String uEmail, String uToken) throws IOException {

Map<String, Object> output = new HashMap<String, Object>();

output.put("userEmail", "friend");

output.put("userToken", "123456");

return output;

}

public static Map<String, Object> register(String uEmail, String uEmailEnsure

, String uName, String uPassword,

String uPassWDEnsure, String uAddress, String uPhone, String uWeChat,

String uQq, String uAge, String uSex) throws Exception {

Map<String, Object> output = TransactionDelegate.transactionRegister(uEmail

, uEmailEnsure, uName, uPassword,

uPassWDEnsure, uAddress, uPhone, uWeChat,

uQq, uAge, uSex);

return output;

}

public static Map<String, Object> change(String uEmail, String uChange

, String uChangeEnsure, String uToken,

String uPassword) throws IOException {

return null;

}

public static Map<String, Object> find(String uEmail) throws IOException {

return null;

}

public static Map<String, Object> checkStatus(String token) throws NumberFormatException

, JSONException, Exception {

Map<String, Object> output = new HashMap<String, Object>();

String checkStatus = LoginService\_E.checkTokenStatusAndGetLevel(token, "level", output);

if(checkStatus.contains("invalid")) {

output.put("loginInfo", "unsuccess");

output.put("returnResult", checkStatus);

return output;

}

output.put("loginInfo", "success");

output.put("returnResult", checkStatus);

return output;

}

}

TransactionDelegate, 事务类

package OP.SM.AOP.MEC.SIQ.VPC.transaction;

import com.google.gson.Gson;

import OP.SM.AOP.MEC.SIQ.VPC.PP.company.E.LoginService\_E;

import PEU.P.md5.\*;

import PEU.P.dna.StringUtil;

import org.json.JSONObject;

import java.util.HashMap;

import java.util.Map;

//之后准备整体性 用deta 元基 取代 MD5

public class TransactionDelegate {

public static Map<String, Object> transactionLogin(String uEmail, String uPassword)throws Exception {

Usr usr = LoginService\_E.findUsrByUEmail(uEmail);

UsrToken usrToken = LoginService\_E.findUsrTokenByUId(usr.getuId());

String password = TokenUtil.getSecondMD5Password(uPassword);

if (!password.equals(usr.getuPassword())) {

Map<String, Object> out = new HashMap<>();

out.put("loginInfo", "unsuccess");

out.put("returnResult", "密码不正确");

return out;

}

Token token = TokenUtil.getNewTokenFromUsrAndUsrToken(usr, usrToken);

String json = new Gson().toJson(token);

String jsonToken = StringUtil.encode(json);

LoginService\_E.U\_UsrTokenByUId(usr.getuId(), token.getuKey()

, password, token.getuTime()/1000);

Map<String, Object> out = new HashMap<>();

out.put("userToken", jsonToken);

out.put("userEmail", uEmail);

out.put("loginInfo", "success");

return out;

}

public static Map<String, Object> transactionRegister(String uEmail, String uEmailEnsure

, String uName, String uPassword, String uPassWDEnsure, String uAddress

, String uPhone, String uWeChat, String uQq, String uAge,String uSex) throws Exception {

Usr usr = LoginService\_E.findUsrByUEmail(uEmail);

if(usr.getuEmail()!=null) {

Map<String, Object> out = new HashMap<>();

out.put("loginInfo", "unsuccess");

out.put("returnResult", "邮箱已注册");

return out;

}

JSONObject jsobj=new JSONObject();

jsobj.put("u\_email", uEmail);

jsobj.put("u\_name", uName);

jsobj.put("u\_password", TokenUtil.getSecondMD5Password(uPassword));

jsobj.put("u\_address", uAddress);

jsobj.put("u\_phone", uPhone);

jsobj.put("u\_weChat", uWeChat);

jsobj.put("u\_qq", uQq);

jsobj.put("u\_age", uAge);

jsobj.put("u\_sex", uSex);

jsobj.put("u\_id", "random");

LoginService\_E.IU\_RowByTablePath("backend", "usr", jsobj);

usr = LoginService\_E.findUsrByUEmail(uEmail);

JSONObject jsobjToken = new JSONObject();

jsobjToken.put("u\_id", usr.getuId());

jsobjToken.put("u\_level", "low");

jsobjToken.put("u\_password", TokenUtil.getSecondMD5Password(uPassword));

LoginService\_E.IU\_RowByTablePath("backend", "usrToken", jsobjToken);

return transactionLogin(uEmail, uPassword);

}

}

第四节 VPCSStandard函数提取，养疗经服务器群的继承函数太多，千篇一律略。

ServerForward\_Standard, 标准数据类

package OSI.AOP.MS.VPC.server;

import java.io.IOException;

import java.net.Socket;

import OSI.AOP.VPC.rest.VPCYangliaojing;

import SVQ.stable.StableWeb;

//import OSI.AOP.VPC.PP.port\_E.RestLoginPort\_E;

//import PEU.P.map.VtoV;

//合并 数据库和 前端的 vison文件

//罗瑶光 20210730

public class ServerForward\_Standard {

public static void main(String[] args){

}

public static void IQ\_ForwardType(Socket socket) {

}

public static void forwardToRestMap(Socket socket) {

}

public static void IQ\_ForwardType(VPCSRequest vPCSRequest

, VPCSResponse vPCSResponse) throws IOException {

if(vPCSRequest.getRequestIsRest()){

String filePath = VPCYangliaojing.getFilePath(vPCSRequest.getRequestLink());

if(filePath.contains(StableWeb.FILE\_TTF)

||filePath.contains(StableWeb.FILE\_EOT)

||filePath.contains(StableWeb.FILE\_SVG)

||filePath.contains(StableWeb.FILE\_WOFF)

||filePath.contains(StableWeb.FILE\_WOFF2)

||filePath.contains(StableWeb.FILE\_OTF)){

String code = VPCYangliaojing.getCode(filePath);

vPCSRequest.I\_RequestFilePath(filePath);

vPCSRequest.I\_RequestFileCode(code);

vPCSRequest.I\_RequestForwardType(StableWeb.STREAM\_BUFFER);

vPCSResponse.I\_ResponseContentType(StableWeb.HEADER\_CONTENT\_TYPE\_FONT\_WOFF);

return;

}

vPCSRequest.I\_RequestForwardType(StableWeb.STREAM\_REST);

}else{

String filePath = VPCYangliaojing.getFilePath(vPCSRequest.getRequestLink());

String code = VPCYangliaojing.getCode(filePath);

vPCSRequest.I\_RequestFilePath(filePath);

vPCSRequest.I\_RequestFileCode(code);

if(filePath.contains(StableWeb.FILE\_PNG)){

vPCSRequest.I\_RequestForwardType(StableWeb.STREAM\_BYTES);

vPCSResponse.I\_ResponseContentType(StableWeb.HEADER\_CONTENT\_TYPE\_PNG);

}

if(filePath.contains(StableWeb.FILE\_JPEG)){

vPCSRequest.I\_RequestForwardType(StableWeb.STREAM\_BYTES);

vPCSResponse.I\_ResponseContentType(StableWeb.HEADER\_CONTENT\_TYPE\_JPEG);

}

if(filePath.contains(StableWeb.FILE\_JPG)){

vPCSRequest.I\_RequestForwardType(StableWeb.STREAM\_BYTES);

vPCSResponse.I\_ResponseContentType(StableWeb.HEADER\_CONTENT\_TYPE\_JPG);

}

if(filePath.contains(StableWeb.FILE\_GIF)){

vPCSRequest.I\_RequestForwardType(StableWeb.STREAM\_BYTES);

vPCSResponse.I\_ResponseContentType(StableWeb.HEADER\_CONTENT\_TYPE\_GIF);

}

if(filePath.contains(StableWeb.FILE\_JS) && code.equalsIgnoreCase(StableWeb.CHARSET\_UTF\_8)){

vPCSRequest.I\_RequestForwardType(StableWeb.STREAM\_BYTES\_BUFFER);

vPCSResponse.I\_ResponseContentType(StableWeb.HEADER\_CONTENT\_TYPE\_JS);

}

if(filePath.contains(StableWeb.FILE\_CSS)){

vPCSRequest.I\_RequestForwardType(StableWeb.STREAM\_BUFFER);

vPCSResponse.I\_ResponseContentType(StableWeb.HEADER\_CONTENT\_TYPE\_CSS);

}

if(filePath.contains(StableWeb.FILE\_HTML)){

vPCSRequest.I\_RequestForwardType(StableWeb.STREAM\_BUFFER);

vPCSResponse.I\_ResponseContentType(StableWeb.HEADER\_CONTENT\_TYPE\_HTML);

}

if(filePath.contains(StableWeb.FILE\_PDF)){

vPCSRequest.I\_RequestForwardType(StableWeb.STREAM\_BYTES\_WITHOUT\_ZIP);

vPCSResponse.I\_ResponseContentType(StableWeb.HEADER\_CONTENT\_TYPE\_PDF);

}

if(filePath.contains(StableWeb.FILE\_ZIP)){

vPCSRequest.I\_RequestForwardType(StableWeb.STREAM\_BYTES\_WITHOUT\_ZIP);

vPCSResponse.I\_ResponseContentType(StableWeb.HEADER\_CONTENT\_TYPE\_ZIP);

}

if(filePath.contains(StableWeb.FILE\_WAV)){

vPCSRequest.I\_RequestForwardType(StableWeb.STREAM\_BUFFER);

vPCSResponse.I\_ResponseContentType(StableWeb.HEADER\_CONTENT\_TYPE\_WAV);

}

if(filePath.contains(StableWeb.FILE\_RAR)){

vPCSRequest.I\_RequestForwardType(StableWeb.STREAM\_BYTES\_WITHOUT\_ZIP);

vPCSResponse.I\_ResponseContentType(StableWeb.HEADER\_CONTENT\_TYPE\_RAR);

}

if(filePath.contains(StableWeb.FILE\_XML)){

vPCSRequest.I\_RequestForwardType(StableWeb.STREAM\_BYTES\_WITHOUT\_ZIP);

vPCSResponse.I\_ResponseContentType(StableWeb.HEADER\_CONTENT\_TYPE\_XML);

}

if(filePath.contains(StableWeb.FILE\_TXT)){

vPCSRequest.I\_RequestForwardType(StableWeb.STREAM\_BYTES\_WITHOUT\_ZIP);

vPCSResponse.I\_ResponseContentType(StableWeb.HEADER\_CONTENT\_TYPE\_TXT);

}

}

}

// public static void forwardToRestMap(App app, VPCSRequest vPCSRequest

// , VPCSResponse vPCSResponse) throws Exception {

// if(null== vPCSRequest || null== vPCSRequest.getRequestForwardType()){

// vPCSResponse.return404();

// return;

// }

// if(vPCSRequest.getRequestForwardType().equalsIgnoreCase(StableWeb.STREAM\_REST)){

// //与其设计个sleeper继承，不如在这里设计个condition函数， 然后根据port识别 来继承这个condition 就是了。， 罗瑶光 20210730

// if(vPCSRequest.getRequestPort().equals(StableHTTP.PORT\_DATABASE)) {

// RestMap\_V.P\_RestDB(app, vPCSRequest, vPCSResponse);

// }else {

// RestMap\_V.P\_Rest(app, vPCSRequest, vPCSResponse);

// }

// }

// if(vPCSRequest.getRequestForwardType().equalsIgnoreCase(StableWeb.STREAM\_BYTES)){

// RestMap\_V.P\_Bytes(vPCSRequest, vPCSResponse);

// }

// if(vPCSRequest.getRequestForwardType().equalsIgnoreCase(StableWeb.STREAM\_BUFFER)){

// RestMap\_V.P\_Buffer(vPCSRequest, vPCSResponse);

// }

// if(vPCSRequest.getRequestForwardType().equalsIgnoreCase(StableWeb.STREAM\_BYTES\_BUFFER)){

// RestMap\_V.P\_BufferBytes(vPCSRequest, vPCSResponse);

// }

// if(vPCSRequest.getRequestForwardType().equalsIgnoreCase(StableWeb.STREAM\_BYTES\_WITHOUT\_ZIP)){

// RestMap\_V.P\_BytesWithoutZip(vPCSRequest, vPCSResponse);

// }

// }

public static void forwardToRestMap(VPCSRequest vPCSRequest, VPCSResponse vPCSResponse) throws Exception {

if(vPCSRequest.getRequestForwardType() == null){

vPCSResponse.return404();

return;

}

if(vPCSRequest.getRequestForwardType().equalsIgnoreCase(StableWeb.STREAM\_REST)){

ServerRestMap\_Standard.P\_Rest(vPCSRequest, vPCSResponse);

}

if(vPCSRequest.getRequestForwardType().equalsIgnoreCase(StableWeb.STREAM\_BYTES)){

ServerRestMap\_Standard.P\_Bytes(vPCSRequest, vPCSResponse);

}

if(vPCSRequest.getRequestForwardType().equalsIgnoreCase(StableWeb.STREAM\_BUFFER)){

ServerRestMap\_Standard.P\_Buffer(vPCSRequest, vPCSResponse);

}

if(vPCSRequest.getRequestForwardType().equalsIgnoreCase(StableWeb.STREAM\_BYTES\_BUFFER)){

ServerRestMap\_Standard.P\_BufferBytes(vPCSRequest, vPCSResponse);

}

if(vPCSRequest.getRequestForwardType().equalsIgnoreCase(StableWeb.STREAM\_BYTES\_WITHOUT\_ZIP)){

ServerRestMap\_Standard.P\_BytesWithoutZip(vPCSRequest, vPCSResponse);

}

}

}

ServerInit\_Standard, 标准数据类

package OSI.AOP.MS.VPC.server;

import java.io.IOException;

import java.net.ServerSocket;

import MS.VPC.PP.Time\_P;

import MS.VPC.SH.Sleeper\_H;

//import OM.config.Config;

import SVQ.stable.StableWeb;

//VPCS标准函数,准备之后所有服务器 走继承这个文件。

//罗瑶光 20200811

public class ServerInit\_Standard {

private ServerSocket server;

private int port;

public void IV\_Service(String 前端接口Txt, String 服务器名) throws IOException {

try {

//port= Integer.parseInt(properties.getProperty(StableData.TCP\_PORT));

port= Integer.valueOf(前端接口Txt);

//port= Config.detaVPCSDBPort;

server= new ServerSocket(port);

System.out.println("----德塔VPCS"+ 服务器名+ "端口启动:" + port);

System.out.println("----德塔VPCS"+ 服务器名+ "DMA确认:成功！");

RequestFilter\_C.IV\_BlockList();

System.out.println("----德塔VPCS"+ 服务器名+ "IP过滤服务启动:成功！");

} catch (Exception e) {

e.printStackTrace();

}

}

private void haoHiYooFaker(Sleeper\_H sleeper\_H) {

sleeper\_H.callSkivvy();

}

public void IV\_Server(String 前端接口Txt, String 服务器名) throws IOException {

System.out.println("----DETA VPCS--3.0");

System.out.println("----Author: 罗瑶光");

System.out.println("----浏阳德塔软件开发有限公司开源项目");

Time\_P time\_P= new Time\_P();

time\_P.begin();

Sleeper\_H sleeper\_H= new Sleeper\_H();

IV\_Service(前端接口Txt, 服务器名);

time\_P.end();

System.out.println("----德塔VPCS"+ 服务器名+ "启动一切正常-总耗时:"

+ time\_P.duration()+ "毫秒");

while(true){

if(sleeper\_H.getThreadsCount()< StableWeb.SLEEPERS\_RANGE){

ServerSleeper\_Standard sleeper= new ServerSleeper\_Standard(前端接口Txt);

try {

sleeper.hugPillow(sleeper\_H, server.accept()

, sleeper.hashCode());

sleeper.start();

} catch (IOException e) {

e.printStackTrace();

}

}else {

haoHiYooFaker(sleeper\_H);

}

}

}

}

ServerRestMap\_Standard, 标准数据类

package OSI.AOP.MS.VPC.server;

import java.io.BufferedReader;

import java.io.BufferedWriter;

import java.io.ByteArrayOutputStream;

import java.io.DataOutputStream;

import java.io.File;

import java.io.FileInputStream;

import java.io.IOException;

import java.io.InputStreamReader;

import java.io.OutputStreamWriter;

import java.io.PrintWriter;

import java.io.UnsupportedEncodingException;

import java.net.Socket;

import java.util.ArrayList;

import java.util.Iterator;

import java.util.List;

import MS.OP.SM.AOP.MEC.SIQ.cache.DetaCache\_M;

import SVQ.stable.StablePOS;

import SVQ.stable.StableWeb;

import OSI.AOP.VPC.rest.VPC;

import PEU.P.zip.\*;

// 著作权人+ 作者= 罗瑶光

public class ServerRestMap\_Standard {

public static void main(String[] args){

}

public static void IQ\_Response(Socket socket) {

}

public static void returnResponse(Socket socket) {

}

public static void IQ\_Response(VPCSRequest vPCSRequest, VPCSResponse vPCSResponse) {

}

public static void returnResponse(VPCSRequest vPCSRequest, VPCSResponse vPCSResponse) {

vPCSResponse.getSleeper\_H().D\_ThreadById(vPCSResponse.getHashCode());

}

public static void P\_Rest(VPCSRequest vPCSRequest, VPCSResponse vPCSResponse) throws Exception {

//VPC属于子继承, 如果不用 overrider 来分配, 也有很多方法, 如osgi, 当然,我现在用最快map标识,更爽.

//indexVPCMapPillows.get(vPCSRequest.gettag())...;

//现在仅仅deta的网站处理服务器有web页, 养疗经app还没有涉及, 因此 pillow tag 区分VPC 函数的rest map 设计优先级稍后

String output= VPC.forward(vPCSRequest.getRequestLink()

, vPCSRequest.getRequestValue());

output= output.length()> 0? output:" ";

PrintWriter printWriter= new PrintWriter(new BufferedWriter(new OutputStreamWriter(vPCSResponse.getSocket()

.getOutputStream(),StableWeb.CHARSET\_UTF\_8)),true);

printWriter.println(StableWeb.HEADER\_HTTP\_200\_OK\_DOUBLE\_ENTER);

output=output.charAt(StablePOS.INT\_ZERO)=='"'?output.substring(StablePOS.INT\_ONE, output.length()):output; output=output.charAt(output.length()-StablePOS.INT\_ONE)=='"'?output.substring(StablePOS.INT\_ZERO, output.length()-StablePOS.INT\_ONE):output;

printWriter.println(output.replace("\\\"","\""));

System.out.println("db:"+4);

printWriter.flush();

printWriter.close();

vPCSResponse.getSleeper\_H().D\_ThreadById(vPCSResponse.getSocket().hashCode());

}

public static void P\_View(VPCSRequest vPCSRequest, VPCSResponse vPCSResponse) {

}

public static void P\_Bytes(VPCSRequest vPCSRequest

, VPCSResponse vPCSResponse) throws IOException {

List<byte[]> list;

DataOutputStream dataOutputStream = new DataOutputStream(vPCSResponse.getSocket().getOutputStream());

if(null != DetaCache\_M.getCacheOfBytesList(vPCSRequest.getRequestFilePath())){

list = DetaCache\_M.getCacheOfBytesList(vPCSRequest.getRequestFilePath());

}else{

FileInputStream fileInputStream = new FileInputStream(new File(vPCSRequest.getRequestFilePath()));

ByteArrayOutputStream byteArrayOutputStream = new ByteArrayOutputStream();

byte[] byteArray = new byte[StableWeb.BUFFER\_RANGE\_MAX];

int lengthOfFile = StablePOS.INT\_ZERO;

list = new ArrayList<>();

//这段while函数思想来自 这篇文章：https://blog.csdn.net/top\_code/article/details/41042413

//非常轻松处理len的长度溢出。谢谢。

while((lengthOfFile = fileInputStream.read(byteArray, StablePOS.INT\_ZERO

, StableWeb.BUFFER\_RANGE\_MAX)) != StablePOS.INT\_ERROR){

byteArrayOutputStream.write(byteArray, StablePOS.INT\_ZERO, lengthOfFile);

}

fileInputStream.close();

byte[] sniper = GzipUtil.compress(byteArrayOutputStream.toByteArray());

list.add(0, vPCSResponse.getResponseContentType().getBytes(StableWeb.CHARSET\_UTF8));

list.add(0, (StableWeb.HEADER\_CONTENT\_LENGTH + sniper.length + StableWeb.STRING\_SPACE\_ENTER)

.getBytes(StableWeb.CHARSET\_UTF8));

list.add(0, StableWeb.HEADER\_CACHE\_CONTROL.getBytes(StableWeb.CHARSET\_UTF8));

list.add(0, StableWeb.HEADER\_CONTENT\_ENCODING\_GZIP.getBytes(StableWeb.CHARSET\_UTF8));

list.add(0, StableWeb.HEADER\_ACCEPT\_RANGES\_BYTES.getBytes(StableWeb.CHARSET\_UTF8));

list.add(0, StableWeb.HEADER\_HOST.getBytes(StableWeb.CHARSET\_UTF8));

list.add(0, StableWeb.HEADER\_HTTP\_200\_OK.getBytes(StableWeb.CHARSET\_UTF8));

if(null != sniper && sniper.length>StablePOS.INT\_ZERO) {

list.add(sniper);

}

DetaCache\_M.putCacheOfBytesList(vPCSRequest.getRequestFilePath(), list);

}

Iterator<byte[]> iterator = list.iterator();

while(iterator.hasNext()){

dataOutputStream.write(iterator.next());

}

dataOutputStream.flush();

dataOutputStream.close();

}

public static void P\_Buffer(VPCSRequest vPCSRequest, VPCSResponse vPCSResponse) throws IOException {

String builderToString;

if(null != DetaCache\_M.getCacheOfString(vPCSRequest.getRequestFilePath())){

builderToString = DetaCache\_M.getCacheOfString(vPCSRequest.getRequestFilePath());

}else{

StringBuilder stringBuilder = new StringBuilder();

stringBuilder.append(StableWeb.HEADER\_HTTP\_200\_OK);

stringBuilder.append(StableWeb.HEADER\_HOST);

stringBuilder.append(StableWeb.HEADER\_CACHE\_CONTROL);

stringBuilder.append(vPCSResponse.getResponseContentType());

FileInputStream fileInputStream = new FileInputStream(new File(vPCSRequest.getRequestFilePath()));

InputStreamReader inputStreamReader = new InputStreamReader(fileInputStream

, vPCSRequest.getRequestFileCode());

BufferedReader bufferedReader = new BufferedReader(inputStreamReader);

String line = null;

while ((line = bufferedReader.readLine()) != null) {

stringBuilder.append(line);

}

bufferedReader.close();

builderToString = stringBuilder.toString();

DetaCache\_M.putCacheOfString(vPCSRequest.getRequestFilePath(), builderToString);

}

BufferedWriter bufferedWriter = new BufferedWriter(new OutputStreamWriter(vPCSResponse.getSocket()

.getOutputStream(), vPCSRequest.getRequestFileCode()));

bufferedWriter.write(builderToString);

bufferedWriter.flush();

bufferedWriter.close();

}

public static void P\_BufferBytes(VPCSRequest vPCSRequest

, VPCSResponse vPCSResponse) throws UnsupportedEncodingException, IOException {

StringBuilder stringBuilder = new StringBuilder();

stringBuilder.append(StableWeb.HEADER\_HTTP\_200\_OK);

stringBuilder.append(StableWeb.HEADER\_HOST);

stringBuilder.append(StableWeb.HEADER\_CACHE\_CONTROL);

stringBuilder.append(StableWeb.HEADER\_CONTENT\_ENCODING\_GZIP);

stringBuilder.append(vPCSResponse.getResponseContentType());

String builderToString= stringBuilder.toString();

String contentBuilderToString;

if(null != DetaCache\_M.getCacheOfString(vPCSRequest.getRequestFilePath())){

contentBuilderToString = DetaCache\_M

.getCacheOfString(vPCSRequest.getRequestFilePath());

}else{

StringBuilder contentBuilder = new StringBuilder();

FileInputStream fileInputStream = new FileInputStream(new File(vPCSRequest

.getRequestFilePath()));

int lengthOfFile = StablePOS.INT\_ZERO;

byte[] byteArray = new byte[StableWeb.BUFFER\_RANGE\_MAX];

while ((lengthOfFile = fileInputStream.read(byteArray)) != StablePOS.INT\_ERROR){

contentBuilder.append(new String(byteArray, StablePOS.INT\_ZERO, lengthOfFile , StableWeb.CHARSET\_UTF\_8));

}

fileInputStream.close();

contentBuilderToString = contentBuilder.toString();

DetaCache\_M.putCacheOfString(vPCSRequest.getRequestFilePath(), contentBuilderToString);

}

DataOutputStream dataOutputStream = new DataOutputStream(vPCSResponse.getSocket().getOutputStream());

dataOutputStream.write(builderToString.getBytes(StableWeb.CHARSET\_UTF8));

dataOutputStream.write(GzipUtil.compress(contentBuilderToString.getBytes(StableWeb.CHARSET\_UTF8)));

dataOutputStream.flush();

dataOutputStream.close();

}

public static void P\_BytesWithoutZip(VPCSRequest vPCSRequest, VPCSResponse vPCSResponse) throws IOException {

List<byte[]> list;

DataOutputStream dataOutputStream = new DataOutputStream(vPCSResponse.getSocket().getOutputStream());

if(DetaCache\_M.getCacheOfBytesList(vPCSRequest.getRequestFilePath()) != null){

list = DetaCache\_M.getCacheOfBytesList(vPCSRequest.getRequestFilePath());

}else{

FileInputStream fileInputStream = new FileInputStream(new File(vPCSRequest.getRequestFilePath()));

ByteArrayOutputStream byteArrayOutputStream = new ByteArrayOutputStream();

byte[] byteArray = new byte[1024];

int len = 0;

list= new ArrayList<>();

//下面三行while函数思想来自 这篇文章：https://blog.csdn.net/top\_code/article/details/41042413

//非常轻松处理len的长度溢出。谢谢。

while((len = fileInputStream.read(byteArray, 0, 1024))!=-1){

byteArrayOutputStream.write(byteArray, 0, len);

}

fileInputStream.close();

byte[] sniper =byteArrayOutputStream.toByteArray();

list.add(0, vPCSResponse.getResponseContentType().getBytes(StableWeb.CHARSET\_UTF8));

list.add(0, (StableWeb.HEADER\_CONTENT\_LENGTH + sniper.length + " \n").getBytes(StableWeb.CHARSET\_UTF8));

list.add(0, (StableWeb.HEADER\_CACHE\_CONTROL).getBytes(StableWeb.CHARSET\_UTF8));

list.add(0, StableWeb.HEADER\_ACCEPT\_RANGES\_BYTES.getBytes(StableWeb.CHARSET\_UTF8));

list.add(0, StableWeb.HEADER\_HOST.getBytes(StableWeb.CHARSET\_UTF8));

list.add(0, StableWeb.HEADER\_HTTP\_200\_OK.getBytes(StableWeb.CHARSET\_UTF8));

list.add(sniper);

DetaCache\_M.putCacheOfBytesList(vPCSRequest.getRequestFilePath(), list);

}

Iterator<byte[]> iterator = list.iterator();

while(iterator.hasNext()){

byte[] bytes = null;

int i= 0;

try {

bytes=iterator.next();

if(bytes.length>10000) {

int last= bytes.length%10000;

for(i= 0; i< bytes.length- 10000; i+= 10000) {

byte[] serparBytes = new byte[10000];

for(int j= 0; j< 10000; j++) {

serparBytes[j]= bytes[i+ j];

}

Thread.sleep(250);

dataOutputStream.write(serparBytes);

dataOutputStream.flush();

}

byte[] serparBytes = new byte[last];

// i-=10000;

for(int j=0; j<last;j++) {

serparBytes[j]= bytes[i+ j];

}

dataOutputStream.write(serparBytes);

}else {

dataOutputStream.write(bytes);

}

}catch(Exception e) {

System.out.print(i);

System.out.print(bytes.length);

System.out.print(vPCSRequest.getRequestLink());

System.out.print(vPCSRequest.getRequestFilePath());

e.printStackTrace();

}

}

dataOutputStream.flush();

dataOutputStream.close();

}

}

ServerSleeper\_Standard, 标准数据类

package OSI.AOP.MS.VPC.server;

import java.io.IOException;

import java.net.Socket;

import MS.VPC.SH.Sleeper\_H;

//这是标准的sleepr函数，我稍后会设计 frontend sleeper， backend sleeper ，cache sleeper， database sleeper 继承它， 避免循环嵌套。

public class ServerSleeper\_Standard extends Thread implements Runnable{

public VPCSRequest vPCSRequest;

public VPCSResponse vPCSResponse;

public ServerSleeper\_Standard(String port){

vPCSRequest= new VPCSRequest();

vPCSRequest.I\_RequestPort(port);

vPCSResponse= new VPCSResponse();

vPCSResponse.I\_HashCode(this.hashCode());

}

//合并

public ServerSleeper\_Standard(){

vPCSRequest= new VPCSRequest();

vPCSResponse= new VPCSResponse();

vPCSResponse.I\_HashCode(this.hashCode());

}

public void run(){

try{

RequestRecord\_C.requestIpRecoder(vPCSRequest, vPCSResponse);

if(vPCSResponse.getSocket().isClosed()) {

return;

}

RequestRecord\_C.requestLinkRecoder(vPCSRequest, vPCSResponse);

if(vPCSResponse.getSocket().isClosed()) {

return;

}

RequestFilter\_C.requestIpFilter(vPCSRequest, vPCSResponse);

if(vPCSResponse.getSocket().isClosed()) {

return;

}

RequestFilter\_C.requestLinkFilter(vPCSRequest, vPCSResponse);

if(vPCSResponse.getSocket().isClosed()) {

return;

}

RequestFix\_C.requestIpFix(vPCSRequest, vPCSResponse);

if(vPCSResponse.getSocket().isClosed()) {

return;

}

RequestFix\_C.requestLinkFix(vPCSRequest, vPCSResponse);

if(vPCSResponse.getSocket().isClosed()) {

return;

}

ServerForward\_Standard.IQ\_ForwardType(vPCSRequest, vPCSResponse);

if(vPCSResponse.getSocket().isClosed()) {

return;

}

ServerForward\_Standard.forwardToRestMap(vPCSRequest, vPCSResponse);

if(vPCSResponse.getSocket().isClosed()) {

return;

}

ServerRestMap\_Standard.IQ\_Response(vPCSRequest, vPCSResponse);

if(vPCSResponse.getSocket().isClosed()) {

return;

}

ServerRestMap\_Standard.returnResponse(vPCSRequest, vPCSResponse);

if(vPCSResponse.getSocket().isClosed()) {

return;

}

}catch(Exception e){

try {

vPCSResponse.returnErrorCode(500);

e.printStackTrace();

} catch (IOException e1) {

System.gc();

e1.printStackTrace();

}

}

}

public void hugPillow(Sleeper\_H sleeper\_H, Socket accept, int hashCode) {

sleeper\_H.I\_E\_Sleeper(hashCode, this);

vPCSResponse.I\_Socket(accept);

vPCSResponse.I\_Sleeper\_H(sleeper\_H);

}

}

ServerVPC\_Standard, 标准数据类

package OSI.AOP.MS.VPC.server;

import java.io.File;

import java.io.IOException;

import java.util.Map;

import OSI.AOP.MS.VPC.C.DBCategory\_C;

import OSI.AOP.VPC.C.Config\_C;

import OSI.AOP.VPC.C.D\_C;

import OSI.AOP.VPC.C.IU\_C;

import OSI.AOP.VPC.C.Q\_C;

import OSI.AOP.VPC.C.U\_C;

import OSI.AOP.VPC.PP.port\_E.RestAskPort\_E;

import OSI.AOP.VPC.PP.port\_E.RestLoginPort\_E;

import PEU.P.map.\*;

//作者 罗瑶光

public class ServerVPC\_Standard {

public static String forward(String string, Map<String, String> data) throws Exception {

// if(!DNAAuth.DNAAuthStatusCheckEmailAndPassword(app, string, data)) {

// return "";

// }

//controller

if(string.contains("/select")){

return Q\_C.exec(string, data);

}

if(string.contains("/setDB")){

return Config\_C.exec(string, data);

}

if(string.contains("/insert")){

return IU\_C.exec(string, data);

}

if(string.contains("/delete")){

return D\_C.exec(string, data);

}

if(string.contains("/update")){

return U\_C.exec(string, data);

}

if(string.contains("DBCategory")){

return DBCategory\_C.exec(string, data);

}

//restMap // 准备改成1次进入由原来的 前端 后端数据库， 变成前端 数据库。 模式为前端加cache，后端加数据库。 罗瑶光

if(string.equalsIgnoreCase("/login")){

return VtoV.ObjectToJsonString(RestLoginPort\_E.login(data.get("uEmail"),data.get("uPassword")));

}

if(string.equalsIgnoreCase("/find")){

return VtoV.ObjectToJsonString(RestLoginPort\_E.find(data.get("uEmail")));

}

if(string.equalsIgnoreCase("/logout")){

return VtoV.ObjectToJsonString(RestLoginPort\_E.logout(data.get("uEmail"), data.get("uToken")));

}

if(string.equalsIgnoreCase("/register")){

return VtoV.ObjectToJsonString(RestLoginPort\_E.register(data.get("uEmail"), data.get("uEmailEnsure"), data.get("uName"), data.get("uPassword"), data.get("uPassWDEnsure"), data.get("uAddress"), data.get("uPhone"), data.get("uWeChat"), data.get("uQq"), data.get("uAge"), data.get("uSex")));

}

if(string.equalsIgnoreCase("/change")){

return VtoV.ObjectToJsonString(RestLoginPort\_E.change(data.get("uEmail"), data.get("uChange"), data.get("uChangeEnsure"),data.get("uToken"), data.get("uPassword")));

}

// if(string.equalsIgnoreCase("/checkStatus")){

// return VtoV.ObjectToJsonString(RestLoginPortImpl.checkStatus(data.get("token")));

// }

if(string.equalsIgnoreCase("/ask")){

return VtoV.ObjectToJsonString(RestAskPort\_E.ask(data.get("ip"), data.get("token")

, data.get("message"), data.get("pointIp")));

}

if(string.equalsIgnoreCase("/feedBack")){

return VtoV.ObjectToJsonString(RestAskPort\_E.feedBack(data.get("ip"), data.get("token")

, data.get("pointIp")));

}

if(string.equalsIgnoreCase("/getAskers")){

return VtoV.ObjectToJsonString(RestAskPort\_E.getAskers(data.get("token")));

}

if(string.equalsIgnoreCase("/dataWS")){

return RestAskPort\_E.dataWS(data.get("message"));

}

if(string.equalsIgnoreCase("/dataCX")){

return RestAskPort\_E.dataCX(data.get("message"));

}

if(string.equalsIgnoreCase("/dataCY")){

return RestAskPort\_E.dataCY(data.get("message"));

}

if(string.equalsIgnoreCase("/dataXL")){

return RestAskPort\_E.dataXL(data.get("message"));

}

if(string.equalsIgnoreCase("/dataRN")){

return RestAskPort\_E.dataRN(data.get("message"));

}

if(string.equalsIgnoreCase("/dataCG")){

return RestAskPort\_E.dataCG(data.get("message"));

}

if(string.equalsIgnoreCase("/dataCJ")){

return RestAskPort\_E.dataCJ(data.get("message"));

}

if(string.equalsIgnoreCase("/dataCL")){

return RestAskPort\_E.dataCL(data.get("message"));

}

if(string.equalsIgnoreCase("/dataXX")){

return RestAskPort\_E.dataXX(data.get("message"));

}

if(string.equalsIgnoreCase("/dataHF")){

return RestAskPort\_E.dataHF(data.get("message"));

}

if(string.equalsIgnoreCase("/dataCP")){

return RestAskPort\_E.dataCP(data.get("message"));

}

if(string.equalsIgnoreCase("/dataZF")){

return RestAskPort\_E.dataZF(data.get("message"));

}

if(string.equalsIgnoreCase("/dataZY")){

return RestAskPort\_E.dataZY(data.get("message"));

}

if(string.equalsIgnoreCase("/dataXY")){

return RestAskPort\_E.dataXY(data.get("message"));

}

if(string.equalsIgnoreCase("/dataYT")){

return RestAskPort\_E.dataYT(data.get("message"));

}

if(string.equalsIgnoreCase("/dataZT")){

return RestAskPort\_E.dataZT(data.get("message"));

}

if(string.equalsIgnoreCase("/dataXT")){

return RestAskPort\_E.dataXT(data.get("message"));

}

return "";

}

public static String getCode(String filePath) throws IOException{

if(filePath.contains(".html")||filePath.contains(".js")){

return "UTF-8";

}

return "GBK";

}

public static String getFilePath(String string) {

String root = new File("src/main/resources/static").getAbsolutePath().replace("\\", "/");

if(null==string||string.equalsIgnoreCase("")||string.equalsIgnoreCase("/")){

string = "/index.html";

}

return root + string;

}

}

VPCSRequest, 标准数据类

package OSI.AOP.MS.VPC.server;

import java.util.Map;

public class VPCSRequest {

private String requestIp;

private String requestName;

private String requestLink;

private boolean requestIsRest;

private String requestFilePath;

private String requestFileCode;

private String requestForwardType;

//避免循环嵌套，加个port标识。稍后看要不要做继承分类。20210730

private String requestPort= "";

private String requestIpFix;

private String requestNameFix;

private String requestLinkFix;

private Map<String, String> requestValue;

public String getRequestPort() {

return requestPort;

}

public void I\_RequestPort(String requestPort) {

this.requestPort = requestPort;

}

public String getRequestIp() {

return requestIp;

}

public void I\_RequestIp(String requestIp) {

this.requestIp = requestIp;

}

public String getRequestName() {

return requestName;

}

public void I\_RequestName(String requestName) {

this.requestName = requestName;

}

public String getRequestLink() {

return requestLink;

}

public void I\_RequestLink(String requestLink) {

this.requestLink = requestLink;

}

public String getRequestIpFix() {

return requestIpFix;

}

public void I\_RequestIpFix(String requestIpFix) {

this.requestIpFix = requestIpFix;

}

public String getRequestNameFix() {

return requestNameFix;

}

public void I\_RequestNameFix(String requestNameFix) {

this.requestNameFix = requestNameFix;

}

public String getRequestLinkFix() {

return requestLinkFix;

}

public void I\_RequestLinkFix(String requestLinkFix) {

this.requestLinkFix = requestLinkFix;

}

public Map<String, String> getRequestValue() {

return requestValue;

}

public void I\_RequestValue(Map<String, String> requestValue) {

this.requestValue = requestValue;

}

public boolean getRequestIsRest() {

return requestIsRest;

}

public void I\_RequestIsRest(boolean requestIsRest) {

this.requestIsRest = requestIsRest;

}

public String getRequestForwardType() {

return requestForwardType;

}

public void I\_RequestForwardType(String requestForwardType) {

this.requestForwardType = requestForwardType;

}

public String getRequestFilePath() {

return requestFilePath;

}

public void I\_RequestFilePath(String requestFilePath) {

this.requestFilePath = requestFilePath;

}

public String getRequestFileCode() {

return requestFileCode;

}

public void I\_RequestFileCode(String requestFileCode) {

this.requestFileCode = requestFileCode;

}

}

VPCSResponse, 标准数据类

package OSI.AOP.MS.VPC.server;

import java.io.IOException;

import java.io.PrintWriter;

import java.net.Socket;

import MS.VPC.SH.Sleeper\_H;

public class VPCSResponse{

public Socket getSocket() {

return socket;

}

public void I\_Socket(Socket socket) {

this.socket = socket;

}

public Sleeper\_H getSleeper\_H() {

return sleeper\_H;

}

public void I\_Sleeper\_H(Sleeper\_H sleeper\_H) {

this.sleeper\_H = sleeper\_H;

}

public Integer getHashCode() {

return hashCode;

}

public void I\_HashCode(Integer hashCode) {

this.hashCode = hashCode;

}

public int getErrorCode() {

return errorCode;

}

public void I\_ErrorCode(int errorCode) {

this.errorCode = errorCode;

}

public String getResponseContentType() {

return ResponseContentType;

}

public void I\_ResponseContentType(String responseContentType) {

ResponseContentType = responseContentType;

}

private Socket socket;

private Sleeper\_H sleeper\_H;

private Integer hashCode;

private int errorCode;

private String ResponseContentType;

public void return404() throws IOException {

if(socket.isClosed()) {

this.sleeper\_H.D\_ThreadById(this.hashCode);

return;

}

PrintWriter pw = new PrintWriter(this.socket.getOutputStream(), true);

pw.println("HTTP/1.1 404 OK\n\n");

pw.flush();

pw.close();

socket.close();

this.sleeper\_H.D\_ThreadById(this.hashCode);

}

public void returnErrorCode(Integer errorCode) throws IOException {

if(socket.isClosed()) {

this.sleeper\_H.D\_ThreadById(this.hashCode);

return;

}

PrintWriter pw = new PrintWriter(this.socket.getOutputStream(), true);

pw.println("HTTP/1.1 " + errorCode + " OK\n\n");

pw.flush();

pw.close();

socket.close();

this.sleeper\_H.D\_ThreadById(this.hashCode);

}

}

第五章 德塔数据结构变量快速转换

第一节 研发说明

起源动机

作者2008编写c数据结构论文第一次涉及计算Meta Type的格式研究。 作者2015年研发过基于Redis 的 List<String[]> 与String的互换函数。 作者2016年研发过基于第三方的xml端和json端的2种不同request进行统一的5个互换函数(XmlToJsonObject, JsonObjectToMap, MapToJsonString, XmlToMap MapToXml)，感觉数据变换是一个趋势主题。 作者2018年做股市分析软件的时候，从互联网16个不同的网站抓取各种股市数据进行处理，第一次认为有必要自己开始动手写一个完整的系统包的需求。 2019年8月11日 开始正式确立这个研发计划。为了满足数据内部快速统一与未知数据预处理功能。

简介

德塔数据结构变量快速转换引擎系统，由变换函数集合组成，他的作用是有效的将目前世界上所有出现的

基础结构和主流基础数据封装类型进行正确的有效变换，方便大数据智能系统对抽象的，复杂的，不可观

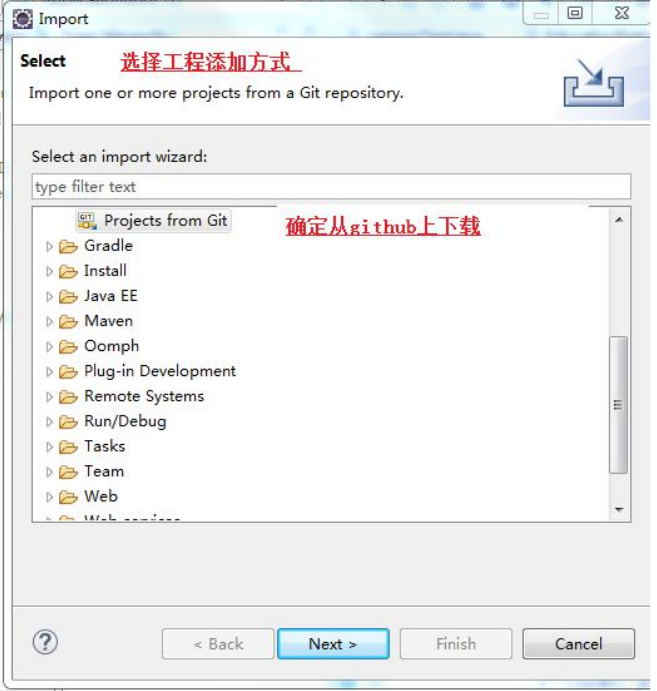
测的对象进行快速统一，保证计算的高准确性和低失真率。是数据领域永久主题，同时也是德塔大数据研

发的基础保障

使用方法

1下载 java 开发软件: Eclipse: https://www.eclipse.org/ Intellij: https://www.jetbrains.com/idea/

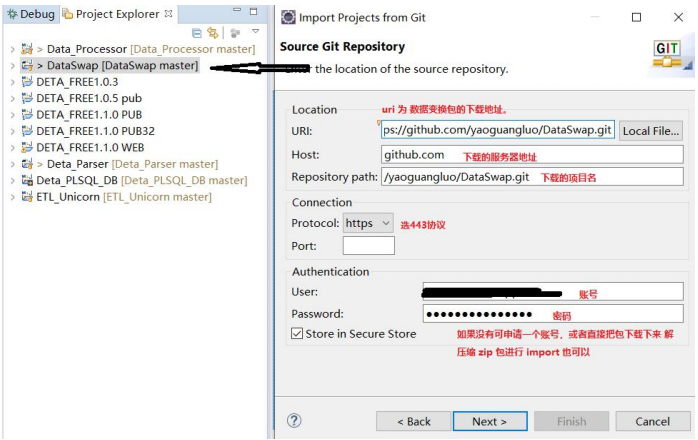
2 导入 deta swap api (swap是交换的意思，API 是类库,接口 的意思, select 是选择 的意思 )408



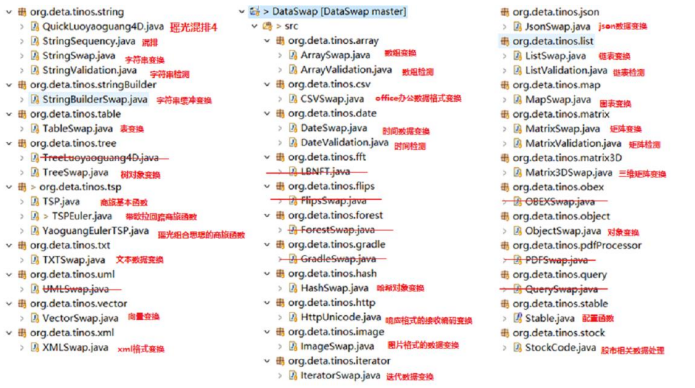
3 点URI (uri是互联网传输的一种协议规范关键字)



4输入 Git导入目标地址 (git是版本持续化控制软件, repository 是 git工程的下载标识, host 是远程 主机, repository path 是git工程 在主机上下载链接, protocol 是是通信协议, port是端口, authentication是密钥, user是帐户名, password是密码, store in secure store 是记录保存)



5 生成 eclipse 工程 因为是无插件底层源码, 所以可以自由集成为pom, gradle, web,或者general 工 程模式. (POM 是xml形式的库标识 标识, gradle 是 模板形式, web 是web 2.0 动态java工程, general 是普通java工程 )



6 每一个函数都是最小运行的单一函数，这些函数集合 可自由裁剪，缩小包的体积。

适用范围

目前世界上所有和多种数据计算打交道的项目。

注意

1 该作品拥有完整著作权，其免费版本使用权由国际软件研发协议GPL-2.0 证书保护. 任何单位任意修改集成作为商业发布使用时请标注关键字: “罗瑶光”, 同时还要完整公开其源码。

2 当前版本2019-09-16统一修改为1.0, 一直在优化中,有任何bug请直接联系作者.

QQ: 2080315360 (qq: 腾讯)

TEL: 15116110525 (tel: 电话号码)

EMAIL: 2080315360@qq.com ( email: 邮件地址)

感谢

感谢印度基督大学数据结构课程，作者在2008年打下扎实的基础。

感谢谷歌提供了gson的json数据格式包。

Deta 项目设计 采用 Mind Master 软件.

Deta 项目研发 采用 Eclipse IDE 软件.

Deta 项目测试 采用 JUNIT API 软件.

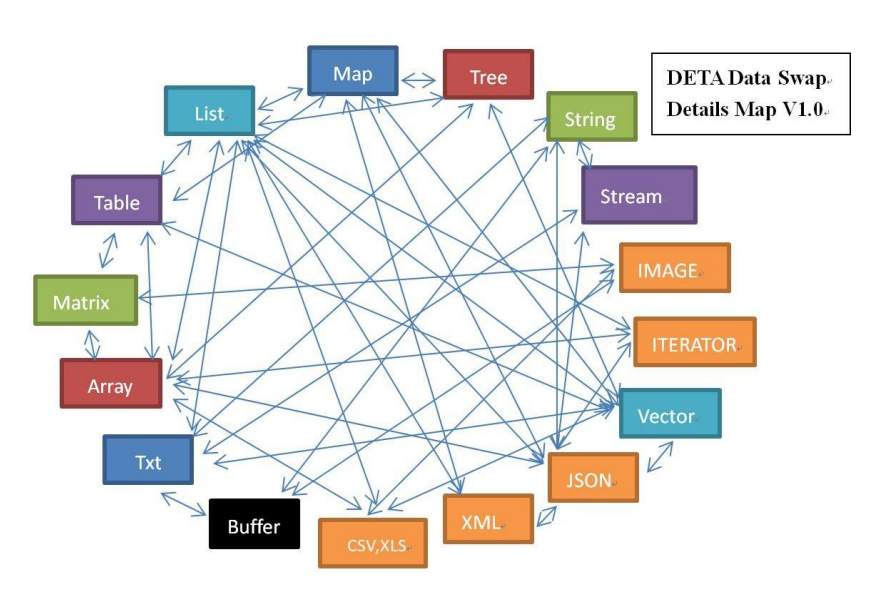
Deta 项目作品 主要采用 JAVA JDK8+. 作者长期使用 微星开发机器， 联想笔记本 windows 10操作系统开发此项目, 电脑装Avaster杀毒软件 和360软件保证其高效研发环境. 感谢 github和gitee 备份, 节省了作者 大量的存储硬盘, 同时方便 查阅, 逻辑 的鼠标键盘 给作者 提供了迅捷 的输入输出 便利 .当然 电信的网络, 老爸, 老妈, 都要感谢的.

研发需要清单

Java 编辑器. Jdk8+. Java 虚拟机运行环境. Junit 测试包. 一台连网的电脑. 谷歌处理Json格式的Gson开源包.

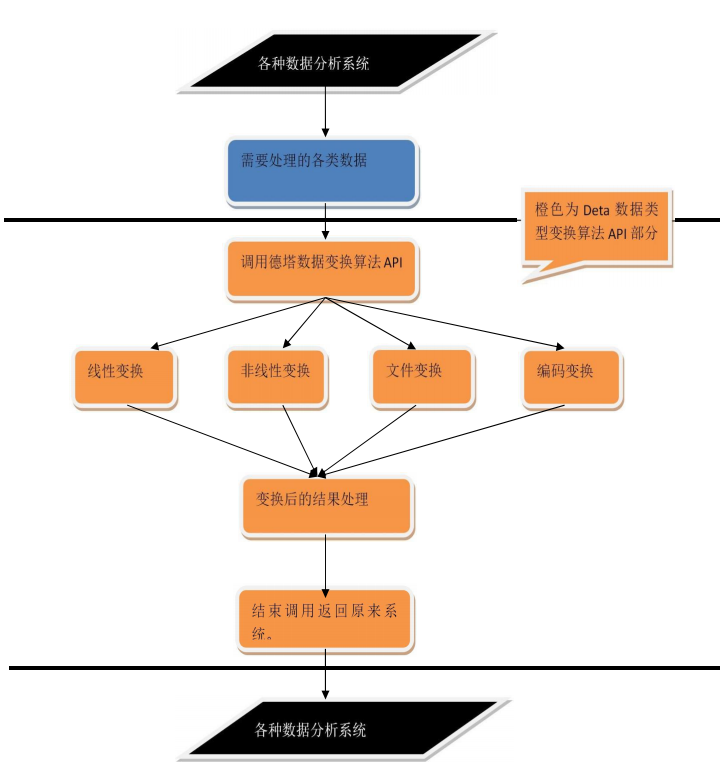
第二节 研发笔记

DetaDataSwapDetailsMapV1.0

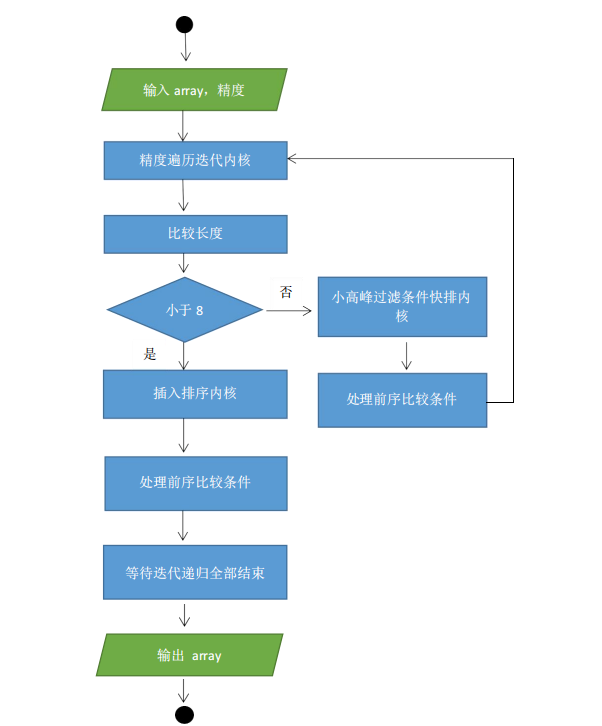


德塔数据结构变量快速转换引擎系统复杂点解析1.0

API使用流程FlowChat



混合数列排序FlowChat



第三节 研发源码

ArraySwap, 数组类

package ESU.array;

import org.json.XML;

import java.util.ArrayList;

import java.util.HashMap;

import java.util.Iterator;

import java.util.List;

import java.util.Map;

import java.util.Set;

import java.util.TreeSet;

import java.util.Vector;

import org.json.JSONObject;

import com.google.gson.Gson;

import ESU.stable.Stable;

public class Array\_ESU{

public static String arrayToJson(Gson gson, Object[] object) {

return gson.toJson(object);

}

public static String arrayToXml(Gson gson, Object[] object) {

return XML.toString(new JSONObject(gson.toJson(object)));

}

public static Map<String, Object> arrayToMap(Gson gson

, Object[] objects) {

Map<String, Object> map= new HashMap<>();

int i= 0;

for(Object object: objects) {

map.put(Stable.STRING\_EMPTY+ i++, object);

}

return map;

}

public static Vector<Object> arrayToVector(Gson gson

, Object[] objects) {

Vector<Object> vector= new Vector<>();

for(Object object: objects) {

vector.add(object);

}

return vector;

}

public static List<Object> arrayToList(Object[] objects) {

List<Object> list= new ArrayList<>();

for(Object object: objects) {

list.add(object);

}

return list;

}

public static Iterator<Object> arrayToIterator(Object[] objects) {

List<Object> list= new ArrayList<>();

for(Object object: objects) {

list.add(object);

}

return list.iterator();

}

public static Set<Object> arrayToSet(Object[] objects) {

Set<Object> sets= new TreeSet<>();

for(Object object: objects) {

sets.add(object);

}

return sets;

}

public static Object[][] arrayToMatrix(Object[] objects, int widthRange){

Object[][] output= new Object[widthRange][objects.length/ widthRange];

for(int i= 0; i< widthRange; i++) {

for(int j= 0; j< objects.length/ widthRange; j++) {

output[i][j]= objects[i\* widthRange+ j];

}

}

return output;

}

public static Object[][][] arrayToMatrix3D(Object[] objects, int widthRange

, int heightRange){

Object[][][] output

= new Object[widthRange][heightRange][objects.length/ widthRange

/ heightRange];

for(int i= 0; i< widthRange; i++) {

for(int j= 0; j< heightRange; j++) {

for(int k= 0; k< objects.length/ widthRange/ heightRange; k++) {

output[i][j][k]= objects[i\* widthRange\* heightRange

+ j\* heightRange+ k];

}

}

}

return output;

}

}

ArrayValidation, 数组类

package MSV.OSU.array;

public class ArrayValidation{

//以后 validation大体包括 check和fix， 2个部分。

public static boolean arrayIntCheck(int[] array

, int min, int max) {

for(int i= 0; i< array.length; i++) {

if(array[i]> max|| array[i]< min) {

return false;

}

}

return true;

}

public static int[] arrayIntFix(int[] array

, int min, int max) {

for(int i= 0; i< array.length; i++) {

if(array[i]> max) {

array[i]= max;

}

if(array[i]< min) {

array[i]= min;

}

}

return array;

}

public static boolean arrayLongCheck(long[] array

, long min, long max) {

for(int i= 0; i< array.length; i++) {

if(array[i]> max|| array[i]< min) {

return false;

}

}

return true;

}

public static long[] arrayLongFix(long[] array

, long min, long max) {

for(int i= 0; i< array.length; i++) {

if(array[i]> max) {

array[i]= max;

}

if(array[i]< min) {

array[i]= min;

}

}

return array;

}

public static boolean arrayDoubleCheck(double[] array

, double min, double max) {

for(int i= 0; i< array.length; i++) {

if(array[i]> max|| array[i]< min) {

return false;

}

}

return true;

}

public static double[] arrayDoubleFix(double[] array

, double min, double max) {

for(int i= 0; i< array.length; i++) {

if(array[i]> max) {

array[i]= max;

}

if(array[i]< min) {

array[i]= min;

}

}

return array;

}

public static boolean arrayFloatCheck(float[] array

, float min, float max) {

for(int i= 0; i< array.length; i++) {

if(array[i]> max|| array[i]< min) {

return false;

}

}

return true;

}

public static float[] arrayFloatFix(float[] array

, float min, float max) {

for(int i= 0; i< array.length; i++) {

if(array[i]> max) {

array[i]= max;

}

if(array[i]< min) {

array[i]= min;

}

}

return array;

}

}

CSVSwap, Office类

package ESU.csv;

import java.io.FileInputStream;

import java.io.IOException;

import java.util.ArrayList;

import java.util.List;

import java.util.Map;

import org.apache.poi.hssf.usermodel.HSSFCell;

import org.apache.poi.hssf.usermodel.HSSFDateUtil;

import org.apache.poi.hssf.usermodel.HSSFRow;

import org.apache.poi.hssf.usermodel.HSSFSheet;

import org.apache.poi.hssf.usermodel.HSSFWorkbook;

import org.apache.poi.poifs.filesystem.POIFSFileSystem;

@SuppressWarnings("static-access")

public class CSV\_ESU{

public static Object[][] xlsOrCsvFileToObjectMartix(String filePath

, int pageSheetIndex) throws IOException {

FileInputStream fileInputStream= new FileInputStream(filePath);

POIFSFileSystem pOIFSFileSystem= new POIFSFileSystem(fileInputStream);

HSSFWorkbook hSSFWorkbook= new HSSFWorkbook(pOIFSFileSystem);

HSSFSheet hSSFSheet= hSSFWorkbook.getSheetAt(Integer

.valueOf(pageSheetIndex));

HSSFRow hSSFRow= hSSFSheet.getRow(0);

Object[][] output= new String[hSSFSheet.getPhysicalNumberOfRows()]

[hSSFRow.getLastCellNum()];

for (int i= 0; i< hSSFSheet.getPhysicalNumberOfRows(); i++) {//ROW

if (null!= (hSSFRow= hSSFSheet.getRow(i))) {

for(int j= 0; j< hSSFRow.getLastCellNum(); j++){//CULUMN

HSSFCell hSSFCell= hSSFRow.getCell(j);

if(hSSFCell.CELL\_TYPE\_STRING== hSSFCell.getCellType()){

output[i][j]= hSSFCell.getStringCellValue();

}

if(hSSFCell.CELL\_TYPE\_BOOLEAN== hSSFCell.getCellType()){

output[i][j]= hSSFCell.getBooleanCellValue();

}

if(hSSFCell.CELL\_TYPE\_NUMERIC== hSSFCell.getCellType()){

if(HSSFDateUtil.isCellDateFormatted(hSSFCell)){

output[i][j]= hSSFCell.getDateCellValue();

}else{

output[i][j]= hSSFCell.getNumericCellValue();

}

}

if(hSSFCell.CELL\_TYPE\_ERROR== hSSFCell.getCellType()){

output[i][j]= hSSFCell.getErrorCellValue();

}

}

}

}

return output;

}

public static List<Object[]> xlsOrCsvFileToListObject(String filePath

, int pageSheetIndex) throws IOException {

FileInputStream fileInputStream= new FileInputStream(filePath);

POIFSFileSystem pOIFSFileSystem= new POIFSFileSystem(fileInputStream);

HSSFWorkbook hSSFWorkbook= new HSSFWorkbook(pOIFSFileSystem);

HSSFSheet hSSFSheet= hSSFWorkbook.getSheetAt(Integer

.valueOf(pageSheetIndex));

HSSFRow hSSFRow= hSSFSheet.getRow(0);

List<Object[]> list= new ArrayList<>();

for (int i= 0; i< hSSFSheet.getPhysicalNumberOfRows(); i++) {//ROW

Object[] objectRow= new String[hSSFRow.getLastCellNum()];

if (null!= (hSSFRow= hSSFSheet.getRow(i))) {

for(int j= 0; j< hSSFRow.getLastCellNum(); j++){//CULUMN

HSSFCell hSSFCell= hSSFRow.getCell(j);

if(hSSFCell.CELL\_TYPE\_STRING== hSSFCell.getCellType()){

objectRow[j]= hSSFCell.getStringCellValue();

}

if(hSSFCell.CELL\_TYPE\_BOOLEAN== hSSFCell.getCellType()){

objectRow[j]= hSSFCell.getBooleanCellValue();

}

if(hSSFCell.CELL\_TYPE\_NUMERIC== hSSFCell.getCellType()){

if(HSSFDateUtil.isCellDateFormatted(hSSFCell)){

objectRow[j]= hSSFCell.getDateCellValue();

}else{

objectRow[j]= hSSFCell.getNumericCellValue();

}

}

if(hSSFCell.CELL\_TYPE\_ERROR== hSSFCell.getCellType()){

objectRow[j]= hSSFCell.getErrorCellValue();

}

}

}

list.add(objectRow);

}

return list;

}

public static List<Object[]> xlsOrCsvFileToRangedListObject(String filePath

, int pageSheetIndex, Map<Integer, Boolean> rows

, Map<Integer, Boolean> culumns) throws IOException {

FileInputStream fileInputStream= new FileInputStream(filePath);

POIFSFileSystem pOIFSFileSystem= new POIFSFileSystem(fileInputStream);

HSSFWorkbook hSSFWorkbook= new HSSFWorkbook(pOIFSFileSystem);

HSSFSheet hSSFSheet= hSSFWorkbook

.getSheetAt(Integer.valueOf(pageSheetIndex));

HSSFRow hSSFRow= hSSFSheet.getRow(0);

List<Object[]> list= new ArrayList<>();

for (int i= 0; i< hSSFSheet.getPhysicalNumberOfRows()

&& rows.containsKey(i); i++) {//ROW

Object[] objectRow= new String[hSSFRow.getLastCellNum()];

if (null!= (hSSFRow= hSSFSheet.getRow(i))) {

for(int j= 0; j< hSSFRow.getLastCellNum()

&& culumns.containsKey(j); j++){//CULUMN

HSSFCell hSSFCell= hSSFRow.getCell(j);

if(hSSFCell.CELL\_TYPE\_STRING== hSSFCell.getCellType()){

objectRow[j]= hSSFCell.getStringCellValue();

}

if(hSSFCell.CELL\_TYPE\_BOOLEAN== hSSFCell.getCellType()){

objectRow[j]= hSSFCell.getBooleanCellValue();

}

if(hSSFCell.CELL\_TYPE\_NUMERIC== hSSFCell.getCellType()){

if(HSSFDateUtil.isCellDateFormatted(hSSFCell)){

objectRow[j]= hSSFCell.getDateCellValue();

}else{

objectRow[j]= hSSFCell.getNumericCellValue();

}

}

if(hSSFCell.CELL\_TYPE\_ERROR== hSSFCell.getCellType()){

objectRow[j]= hSSFCell.getErrorCellValue();

}

}

}

list.add(objectRow);

}

return list;

}

public static Object[][] xlsOrCsvFileToRangedObjectMartix(String filePath

, int pageSheetIndex, Map<Integer, Boolean> rows

, Map<Integer, Boolean> culumns) throws IOException {

FileInputStream fileInputStream= new FileInputStream(filePath);

POIFSFileSystem pOIFSFileSystem= new POIFSFileSystem(fileInputStream);

HSSFWorkbook hSSFWorkbook= new HSSFWorkbook(pOIFSFileSystem);

HSSFSheet hSSFSheet= hSSFWorkbook

.getSheetAt(Integer.valueOf(pageSheetIndex));

HSSFRow hSSFRow= hSSFSheet.getRow(0);

Object[][] output= new String[hSSFSheet.getPhysicalNumberOfRows()]

[hSSFRow.getLastCellNum()];

for (int i= 0; i< hSSFSheet.getPhysicalNumberOfRows()

&& rows.containsKey(i); i++) {//ROW

if (null!= (hSSFRow= hSSFSheet.getRow(i))) {

for(int j= 0; j< hSSFRow.getLastCellNum()

&& culumns.containsKey(j); j++){//CULUMN

HSSFCell hSSFCell= hSSFRow.getCell(j);

if(hSSFCell.CELL\_TYPE\_STRING== hSSFCell.getCellType()){

output[i][j]= hSSFCell.getStringCellValue();

}

if(hSSFCell.CELL\_TYPE\_BOOLEAN== hSSFCell.getCellType()){

output[i][j]= hSSFCell.getBooleanCellValue();

}

if(hSSFCell.CELL\_TYPE\_NUMERIC== hSSFCell.getCellType()){

if(HSSFDateUtil.isCellDateFormatted(hSSFCell)){

output[i][j]= hSSFCell.getDateCellValue();

}else{

output[i][j]= hSSFCell.getNumericCellValue();

}

}

if(hSSFCell.CELL\_TYPE\_ERROR== hSSFCell.getCellType()){

output[i][j]= hSSFCell.getErrorCellValue();

}

}

}

}

return output;

}

}

DateSwap, 时间类

package ESU.date;

import java.sql.Timestamp;

import java.util.Date;

import ESU.stable.Stable;

@SuppressWarnings({Stable.SUPPRESS\_WARNINGS\_DEPRECATION

, Stable.SUPPRESS\_WARNINGS\_STATIC\_ACCESS})

public class Date\_ESU{

public static String dateToGMTString(Date date) {

return date.toGMTString();

}

public static String dateToYYYYMMDD(Date date) {

return Stable.STRING\_EMPTY+ date.getYear()

+ Stable.STRING\_PER+ date.getMonth()

+ Stable.STRING\_PER+ date.getDay();

}

public static String dateToHHMMSS(Date date) {

return Stable.STRING\_EMPTY+ date.getHours()

+ Stable.STRING\_PER+ date.getMinutes()

+ Stable.STRING\_PER+ date.getSeconds();

}

public static String dateToMiliSeconds(Date date) {

return Stable.STRING\_EMPTY+ date.getTime();

}

public static String getCurrentMiliSeconds(Date date) {

return Stable.STRING\_EMPTY+ new Date().getTime();

}

public static Timestamp dateToTimeStamp(Date date) {

long utc= date.UTC(date.getYear(), date.getMonth(), date.getDay()

, date.getHours(), date.getMinutes(), date.getSeconds());

return new Timestamp(utc);

}

public static long timeStampToMiliSeconds(Timestamp timestamp) {

return timestamp.getTime();

}

public static String timeStampToMiliSecondsWithSize(Timestamp timestamp

, int size) {

String time= Stable.STRING\_EMPTY+ timestamp.getTime();

return time.substring(0, size);

}

public static String dateStringToMiliSeconds(String string) {

return Stable.STRING\_EMPTY+ new Date(string).getTime();

}

}

DateValidation, 时间类

package MSV.OSU.date;

import java.io.IOException;

import java.net.URL;

import java.net.URLConnection;

import java.util.Date;

import ESU.stable.Stable;

//refer www.bjtime.com 第 12，13，14行 共三行

//注意如果bjtime 网站关闭了这个功能，该函数将无效，请再互联网搜索其他提供时间校验的网址。

public class DateValidation{

public static boolean currentSystemTimeCheck(long offsetUTC8

, long miliSecondsDistinction) throws IOException {

URL url= new URL(Stable.STRING\_BJTIME);

URLConnection uRLConnection= url.openConnection();

uRLConnection.connect();

long bjtime= uRLConnection.getDate();

long system= currentSystemTimeToUTC(offsetUTC8);

if(miliSecondsDistinction< Math.abs(bjtime- system)) {

return false;

}

return true;

}

public static long currentSystemTimeToUTC(long offsetUTC8) {

return new Date().getTime()+ offsetUTC8;

}

}

HashSwap, 哈希类

package ESU.hash;

import com.google.gson.Gson;

import java.util.ArrayList;

import java.util.Hashtable;

import java.util.Iterator;

import java.util.List;

import org.json.JSONObject;

import org.json.XML;

public class Hash\_ESU{

public static String hashTableToJson(Gson gson

, Hashtable<String, Object> hashtable) {

return gson.toJson(hashtable);

}

public static String hashTableToXml(Gson gson

, Hashtable<String, Object> hashtable){

JSONObject jSONObject= new JSONObject(gson.toJson(hashtable));

return XML.toString(jSONObject);

}

public static List<Object> hashTableToList(Gson gson

, Hashtable<String, Object> hashtable){

List<Object> list= new ArrayList<>();

Iterator<String> iterator= hashtable.keySet().iterator();

while(iterator.hasNext()) {

list.add(hashtable.get(iterator.next()));

}

return list;

}

public static Object[] hashTableToObjectArray(Gson gson

, Hashtable<String, Object> hashtable){

List<Object> list= new ArrayList<>();

Iterator<String> iterator= hashtable.keySet().iterator();

while(iterator.hasNext()) {

list.add(hashtable.get(iterator.next()));

}

return list.toArray();

}

}

HttpUnicode, WEB类

package ESU.http;

import java.io.BufferedReader;

import java.io.IOException;

import java.io.InputStream;

import java.io.InputStreamReader;

import java.io.OutputStream;

import java.net.HttpURLConnection;

import java.net.URL;

import ESU.stable.Stable;

public class HttpUnicode{

//这个函数在作者去年开发股市分析软件的时候从雪球等网站采样抓数据，发现有GBK

//utf-8 gb2312 ascii 等格式数据比较混乱，于是进行统一格式处理。

public String getJson(String urlString, String jsonString)

throws IOException{

String code= Stable.STRING\_EMPTY;

URL url= new URL(urlString);

HttpURLConnection connection= (HttpURLConnection)url.openConnection();

connection.setRequestMethod(Stable.HTTP\_GET);

connection

.setRequestProperty(Stable.CONTENT\_TYPE, Stable.APPLICATION\_JSON\_UTF8);

connection.setDoOutput(true);

connection.setInstanceFollowRedirects(false);

StringBuffer sbuffer= new StringBuffer();

sbuffer.append(jsonString);

OutputStream os= connection.getOutputStream();

os.write(sbuffer.toString().getBytes());

os.flush();

StringBuilder stringBuilder= new StringBuilder();

BufferedReader bufferedReader= null;

try {

InputStream inputStream= connection.getInputStream();

int caherset\_size= connection.getHeaderFields().size();

for(int i= 0; i< caherset\_size; i++) {

String temp= connection.getHeaderField(i);

if(temp.contains(Stable.CHARSET)) {

if(temp.toUpperCase().contains(Stable.CHARSET\_GBK)) {

code= Stable.CHARSET\_GBK;

}

if(temp.toUpperCase().contains(Stable.CHARSET\_UTF\_8)

|| temp.toUpperCase().contains(Stable.CHARSET\_UTF8)) {

code= Stable.CHARSET\_UTF\_8;

}

if(temp.toUpperCase().contains(Stable.CHARSET\_GB2312)) {

code= Stable.CHARSET\_GB2312;

}

if(temp.toUpperCase().contains(Stable.CHARSET\_ASCII)) {

code= Stable.CHARSET\_ASCII;

}

if(temp.toUpperCase().contains(Stable.CHARSET\_UNICODE)) {

code= Stable.CHARSET\_UNICODE;

}

if(temp.toUpperCase().contains(Stable.CHARSET\_ISO\_8859\_1)) {

code= Stable.CHARSET\_ISO\_8859\_1;

}

}

}

if (null!= inputStream) {

bufferedReader

= new BufferedReader(new InputStreamReader(inputStream, code));

String lines;

while ((lines= bufferedReader.readLine()) != null) {

stringBuilder.append(lines);

}

} else {

stringBuilder.append(Stable.STRING\_EMPTY);

}

} catch (IOException ex) {

//throw ex;

} finally {

if (null!= bufferedReader) {

try {

bufferedReader.close();

} catch (IOException ex) {

//throw ex;

}

}

}

return new String(stringBuilder.toString().getBytes(), Stable.CHARSET\_UTF\_8);

}

public String postXML(String urlString,String XMLString) throws IOException{

URL url= new URL(urlString);

HttpURLConnection connection= (HttpURLConnection)url.openConnection();

connection.setRequestMethod(Stable.HTTP\_POST);

connection.setRequestProperty(Stable.CONTENT\_TYPE, Stable.APPLICATION\_XML);

connection.setDoOutput(true);

connection.setInstanceFollowRedirects(false);

StringBuffer stringBuffer= new StringBuffer();

stringBuffer.append(XMLString);

OutputStream outputStream= connection.getOutputStream();

outputStream.write(stringBuffer.toString().getBytes());

outputStream.flush();

String requestBody= Stable.STRING\_EMPTY;

StringBuilder stringBuilder= new StringBuilder();

BufferedReader bufferedReader= null;

try {

InputStream inputStream= connection.getInputStream();

if (null!= inputStream) {

bufferedReader

= new BufferedReader(new InputStreamReader(inputStream));

char[] charBuffer= new char[128];

int bytesRead= -1;

while ((bytesRead= bufferedReader.read(charBuffer)) > 0) {

stringBuilder.append(charBuffer, 0, bytesRead);

}

} else {

stringBuilder.append(Stable.STRING\_EMPTY);

}

} catch (IOException ex) {

throw ex;

} finally {

if (null!= bufferedReader) {

try {

bufferedReader.close();

} catch (IOException ex) {

throw ex;

}

}

}

requestBody= stringBuilder.toString();

return requestBody;

}

public String postJsonWithSercurity(String urlString

, String jsonString) throws IOException{

URL url= new URL(urlString);

HttpURLConnection connection= (HttpURLConnection)url.openConnection();

connection.setRequestMethod(Stable.HTTP\_POST);

connection.setRequestProperty(Stable.CONTENT\_TYPE, Stable.APPLICATION\_JSON);

connection.setDoOutput(true);

connection.setInstanceFollowRedirects(false);

StringBuffer sbuffer= new StringBuffer();

sbuffer.append(jsonString);

OutputStream os= connection.getOutputStream();

os.write(sbuffer.toString().getBytes());

os.flush();

String requestBody= Stable.STRING\_EMPTY;

StringBuilder stringBuilder= new StringBuilder();

BufferedReader bufferedReader= null;

try {

InputStream inputStream= connection.getInputStream();

if (null!= inputStream) {

bufferedReader

= new BufferedReader(new InputStreamReader(inputStream));

char[] charBuffer= new char[128];

int bytesRead= -1;

while ((bytesRead= bufferedReader.read(charBuffer)) > 0) {

stringBuilder.append(charBuffer, 0, bytesRead);

}

} else {

stringBuilder.append(Stable.STRING\_EMPTY);

}

} catch (IOException ex) {

throw ex;

} finally {

if (null!= bufferedReader) {

try {

bufferedReader.close();

} catch (IOException ex) {

throw ex;

}

}

}

requestBody= stringBuilder.toString();

return requestBody;

}

public String postXMLWithSercurity(String urlString, String XMLString)

throws IOException{

URL url= new URL(urlString);

HttpURLConnection connection= (HttpURLConnection)url.openConnection();

connection.setRequestMethod(Stable.HTTP\_POST);

connection.setRequestProperty(Stable.CONTENT\_TYPE, Stable.APPLICATION\_XML);

connection.setDoOutput(true);

connection.setInstanceFollowRedirects(false);

StringBuffer sbuffer= new StringBuffer();

sbuffer.append(XMLString);

OutputStream os= connection.getOutputStream();

os.write(sbuffer.toString().getBytes());

os.flush();

String requestBody= Stable.STRING\_EMPTY;

StringBuilder stringBuilder= new StringBuilder();

BufferedReader bufferedReader= null;

try {

InputStream inputStream= connection.getInputStream();

if (null!= inputStream) {

bufferedReader= new BufferedReader

(new InputStreamReader(inputStream));

char[] charBuffer= new char[128];

int bytesRead= -1;

while ((bytesRead= bufferedReader.read(charBuffer)) > 0) {

stringBuilder.append(charBuffer, 0, bytesRead);

}

} else {

stringBuilder.append(Stable.STRING\_EMPTY);

}

} catch (IOException ex) {

throw ex;

} finally {

if (null!= bufferedReader) {

try {

bufferedReader.close();

} catch (IOException ex) {

throw ex;

}

}

}

requestBody= stringBuilder.toString();

return requestBody;

}

public String getStatusFromString(String response) {

for(int i=0;i<response.length();i++){

}

return null;

}

public String getHTML(String urlString, Object object) throws IOException {

URL url= new URL(urlString);

HttpURLConnection connection= (HttpURLConnection)url.openConnection();

connection.setRequestMethod(Stable.HTTP\_GET);

connection.setDoOutput(true);

connection.setInstanceFollowRedirects(false);

StringBuilder stringBuilder= new StringBuilder();

BufferedReader bufferedReader= null;

String code= Stable.CHARSET\_GB2312;

try {

InputStream inputStream= connection.getInputStream();

int caherset\_size= connection.getHeaderFields().size();

for(int i= 0; i< caherset\_size; i++) {

String temp= connection.getHeaderField(i);

if(temp.contains(Stable.CHARSET)|| temp.contains(Stable.TYPE) ) {

if(temp.toUpperCase().contains(Stable.CHARSET\_GBK)) {

code= Stable.CHARSET\_GBK;

}

if(temp.toUpperCase().contains(Stable.CHARSET\_UTF\_8)

|| temp.toUpperCase().contains(Stable.CHARSET\_UTF8)) {

code= Stable.CHARSET\_UTF\_8;

}

if(temp.toUpperCase().contains(Stable.CHARSET\_GB2312)) {

code= Stable.CHARSET\_GB2312;

}

if(temp.toUpperCase().contains(Stable.CHARSET\_ASCII)) {

code= Stable.CHARSET\_ASCII;

}

if(temp.toUpperCase().contains(Stable.CHARSET\_UNICODE)) {

code= Stable.CHARSET\_UNICODE;

}

if(temp.toUpperCase().contains(Stable.CHARSET\_ISO\_8859\_1)) {

code= Stable.CHARSET\_ISO\_8859\_1;

}

}

}

if (null!= inputStream) {

bufferedReader= new BufferedReader(new InputStreamReader(inputStream,code));

char[] charBuffer= new char[128];

int bytesRead= -1;

while ((bytesRead= bufferedReader.read(charBuffer)) > 0) {

stringBuilder.append(charBuffer, 0, bytesRead);

}

} else {

stringBuilder.append(Stable.STRING\_EMPTY);

}

} catch (IOException ex) {

} finally {

if (null!= bufferedReader) {

try {

bufferedReader.close();

} catch (IOException ex) {

}

}

}

String out= new String(stringBuilder.toString().getBytes(), Stable.CHARSET\_UTF\_8);

return out;

}

}

ImageSwap, 图片类

package ESU.image;

import java.io.File;

import java.io.IOException;

import javax.imageio.ImageIO;

import java.awt.Image;

import java.awt.image.BufferedImage;

public class Image\_ESU{

public static void pixTableToFile(String pngOutputPath, int[][] pix

, String fileType) throws IOException{

BufferedImage bufferedImage= new BufferedImage(pix[0].length

, pix.length, BufferedImage.TYPE\_INT\_RGB);

for (int i= 0; i< bufferedImage.getHeight(); ++i) {

for (int j= 0; j< bufferedImage.getWidth(); ++j) {

bufferedImage.setRGB(j, i, (pix[i][j]<< 16)

| (pix[i][j]<< 8)| (pix[i][j]));

}

}

ImageIO.write(bufferedImage, fileType, new File(pngOutputPath));

}

public static void pixRGBTableToFile(String pngOutputPath, int[][] pixRed

, int[][] pixGreen, int[][] pixBlue, String fileType)

throws IOException{

BufferedImage bufferedImage= new BufferedImage(pixRed[0].length

, pixRed.length, BufferedImage.TYPE\_INT\_RGB);

for (int i= 0; i< bufferedImage.getHeight(); ++i) {

for (int j= 0; j< bufferedImage.getWidth(); ++j) {

bufferedImage.setRGB(j, i, (pixRed[i][j]<< 16)

| (pixGreen[i][j]<< 8)| (pixBlue[i][j]));

}

}

ImageIO.write(bufferedImage, fileType, new File(pngOutputPath));

}

public static void bufferedImageToFile(String pngOutputPath

, BufferedImage bufferedImage, String fileType) throws IOException{

ImageIO.write(bufferedImage, fileType, new File(pngOutputPath));

}

public static void imageToFile(String pngOutputPath, Image image

, String fileType)throws IOException{

ImageIO.write((BufferedImage)image, fileType, new File(pngOutputPath));

}

public static void bufferedImageToScaleImageFile(String pngOutputPath

, BufferedImage bufferedImage, String fileType

, int scale) throws IOException{

bufferedImage= (BufferedImage)bufferedImage

.getScaledInstance(bufferedImage.getWidth()

, bufferedImage.getHeight(), scale);

ImageIO.write(bufferedImage, fileType, new File(pngOutputPath));

}

}

IteratorSwap, heap类

package ESU.iterator;

import java.util.ArrayList;

import java.util.Iterator;

import java.util.List;

import java.util.Map;

import org.json.JSONObject;

import org.json.XML;

import com.google.gson.Gson;

import com.google.gson.reflect.TypeToken;

public class Iterator\_ESU{

public static String iteratorToJsonString(Gson gson

, Iterator<Object> iterator){

return gson.toJson(iterator);

}

public static Object stringIteratorToJsonString(Gson gson

, Iterator<String> iterator) {

return gson.toJson(iterator);

}

public static String iteratorToXml(Gson gson, Iterator<Object> iterator){

return XML.toString(new JSONObject(gson.toJson(iterator)));

}

public static String iteratorToMap(Gson gson, Iterator<Object> iterator){

return gson.fromJson(new JSONObject(gson.toJson(iterator)).toString()

, new TypeToken<Map<String, Object>>(){}.getType());

}

public static Object[] iteratorToObjectArray(Gson gson

, Iterator<Object> iterator){

List<Object> list= new ArrayList<>();

while(iterator.hasNext()) {

list.add(iterator.next());

}

return list.toArray();

}

public static List<Object> iteratorToList(Gson gson

, Iterator<Object> iterator){

List<Object> list= new ArrayList<>();

while(iterator.hasNext()) {

list.add(iterator.next());

}

return list;

}

}

JsonSwap, 字码类

package ESU.json;

import java.util.Map;

import java.util.List;

import java.lang.reflect.Type;

import java.util.ArrayList;

import java.util.Hashtable;

import org.json.JSONArray;

import org.json.JSONObject;

import org.json.XML;

import com.google.gson.Gson;

import com.google.gson.reflect.TypeToken;

public class Json\_ESU{

// 剔除个人著作权 申请范围

// public static Map<String, Object> jsonObjectToMap(Gson gson

// , JSONObject jSONObject){

// return gson.fromJson(jSONObject.toString()

// , new TypeToken<Map<String, Object>>(){}.getType());

// }

public static List<Object> jsonArrayToList(JSONArray jSONArray) {

List<Object> list= new ArrayList<>();

for(int i= 0; i< jSONArray.length(); i++){

Object object= jSONArray.get(i);

if(object instanceof JSONObject){

list.add(new Gson().fromJson(jSONArray.getJSONObject(i).toString()

, new TypeToken<Map<String, Object>>(){}.getType()));

}else if(object instanceof String){

list.add(String.valueOf(object));

}else if(object instanceof JSONArray){

list.add(jsonArrayToList(jSONArray.getJSONArray(i)));

}

}

return list;

}

public static String jsonObjectToString(JSONObject jSONObject){

return jSONObject.toString();

}

public static Hashtable<String, Object> jsonObjectToHashtable(Gson gson

,JSONObject jSONObject){

return gson.fromJson(jSONObject.toString()

, (Type) new Hashtable<String, Object>());

}

public static String jsonObjectToXml(JSONObject jSONObject){

return XML.toString(jSONObject);

}

}

ListSwap, 链表类

package ESU.list;

import java.util.Iterator;

import java.util.List;

import java.util.Map;

import java.util.Set;

import java.util.TreeSet;

import java.util.Vector;

import org.json.JSONObject;

import org.json.XML;

import com.google.gson.Gson;

import com.google.gson.reflect.TypeToken;

public class List\_ESU{

public static String listToJsonString(Gson gson, List<Object> list){

return gson.toJson(list);

}

public static Object stringListToJsonString(Gson gson, List<String> list) {

return gson.toJson(list);

}

public static String listToXml(Gson gson, List<Object> list){

return XML.toString(new JSONObject(gson.toJson(list)));

}

public static String listToMap(Gson gson, List<Object> list){

return gson.fromJson(new JSONObject(gson.toJson(list)).toString()

, new TypeToken<Map<String, Object>>(){}.getType());

}

public static Object[] listToObjectArray(List<Object> list){

return list.toArray();

}

public static String[] stringlistToStringArray(List<String> list){

String[] strings= new String[list.size()];

Iterator<String> iterator= list.iterator();

int i= 0;

while(iterator.hasNext()) {

strings[i++]= iterator.next().toString();

}

return strings;

}

public static Iterator<Object> listToIterator(List<Object> list){

return list.iterator();

}

public static Vector<Object> listToVector(List<Object> list){

Vector<Object> vector= new Vector<>();

Iterator<Object> iterator= list.iterator();

while(iterator.hasNext()) {

vector.add(iterator.next());

}

return vector;

}

public static Set<Object> listToSet(List<Object> list){

Set<Object> sets= new TreeSet<>();

Iterator<Object> iterator= list.iterator();

while(iterator.hasNext()) {

sets.add(iterator.next());

}

return sets;

}

public static String[] listToArray(List<String> list) {

String[] output= new String[list.size()];

int outputPoint= 0;

Iterator<String> iterator= list.iterator();

while(iterator.hasNext()) {

output[outputPoint++]= iterator.next();

}

return output;

}

}

ListValidation, 链表类

package MSV.OSU.list;

import java.util.ArrayList;

import java.util.Iterator;

import java.util.List;

import ESU.stable.Stable;

public class ListValidation{

public static boolean ListSetsCheck(List<Object> list, String setsType) {

Iterator<Object> iterator= list.iterator();

while(iterator.hasNext()) {

Object object= iterator.next();

if(setsType.equalsIgnoreCase(Stable.STRING\_DOUBLE)) {

if(!(object instanceof Double)) {

return false;

}

}

if(setsType.equalsIgnoreCase(Stable.STRING\_INT)) {

if(!(object instanceof Integer)) {

return false;

}

}

if(setsType.equalsIgnoreCase(Stable.STRING\_FLOAT)) {

if(!(object instanceof Float)) {

return false;

}

}

if(setsType.equalsIgnoreCase(Stable.STRING\_STRING)) {

if(!(object instanceof String)) {

return false;

}

}

if(setsType.equalsIgnoreCase(Stable.STRING\_SHORT)) {

if(!(object instanceof Short)) {

return false;

}

}

if(setsType.equalsIgnoreCase(Stable.STRING\_BOOLEAN)) {

if(!(object instanceof Boolean)) {

return false;

}

}

if(setsType.equalsIgnoreCase(Stable.STRING\_LONG)) {

if(!(object instanceof Long)) {

return false;

}

}

if(setsType.equalsIgnoreCase(Stable.STRING\_BYTE)) {

if(!(object instanceof Byte)) {

return false;

}

}

}

return true;

}

public static List<Object> ListSetsFix(List<Object> list

, String setsType) {

List<Object> output= new ArrayList<>();

Iterator<Object> iterator= list.iterator();

while(iterator.hasNext()) {

Object object= iterator.next();

if(setsType.equalsIgnoreCase(Stable.STRING\_DOUBLE)) {

if(!(object instanceof Double)) {

output.add((double)0.00);

}else {

output.add(object);

}

}

if(setsType.equalsIgnoreCase(Stable.STRING\_INT)) {

if(!(object instanceof Integer)) {

output.add((int)0);

}else {

output.add(object);

}

}

if(setsType.equalsIgnoreCase(Stable.STRING\_FLOAT)) {

if(!(object instanceof Float)) {

output.add((float)0.0);

}else {

output.add(object);

}

}

if(setsType.equalsIgnoreCase(Stable.STRING\_STRING)) {

if(!(object instanceof String)) {

output.add(Stable.STRING\_EMPTY);

}else {

output.add(object);

}

}

if(setsType.equalsIgnoreCase(Stable.STRING\_SHORT)) {

if(!(object instanceof Short)) {

output.add((short)0);

}else {

output.add(object);

}

}

if(setsType.equalsIgnoreCase(Stable.STRING\_BOOLEAN)) {

if(!(object instanceof Boolean)) {

output.add(false);

}else {

output.add(object);

}

}

if(setsType.equalsIgnoreCase(Stable.STRING\_LONG)) {

if(!(object instanceof Long)) {

output.add((long)(0));

}else {

output.add(object);

}

}

if(setsType.equalsIgnoreCase(Stable.STRING\_BYTE)) {

if(!(object instanceof Byte)) {

output.add((byte)0);

}else {

output.add(object);

}

}

}

return output;

}

}

MapSwap, 图类

package ESU.map;

import java.util.ArrayList;

import java.util.HashMap;

import java.util.Hashtable;

import java.util.Iterator;

import java.util.List;

import java.util.Map;

public class Map\_ESU{

// 剔除个人著作权 申请范围

// public static String mapToJsonString(Gson gson, Map<String, Object> map){

// return gson.toJson(map);

// }

//

// public static String mapToXml(Gson gson, Map<String, Object> map){

// JSONObject jSONObject= new JSONObject(gson.toJson(map));

// return XML.toString(jSONObject);

// }

public static List<Map<String, Object>> mapToList(Map<String, Object> map){

List<Map<String, Object>> list= new ArrayList<>();

Iterator<String> iterator= map.keySet().iterator();

while(iterator.hasNext()) {

String string= iterator.next();

Map<String, Object> singer= new HashMap<>();

singer.put(string, map.get(string));

list.add(singer);

}

return list;

}

public static Hashtable<String, Object> mapToHash(Map<String, Object> map){

Hashtable<String, Object> hashtable= new Hashtable<>();

Iterator<String> iterator= map.keySet().iterator();

while(iterator.hasNext()) {

String string= iterator.next();

hashtable.put(string, map.get(string));

}

return hashtable;

}

}

MatrixSwap, 矩阵类

package ESU.matrix;

public class Matrix\_ESU{

public static Object[][] matrixInclineSwap(Object[][] objects){

Object[][] output= new Object[objects[0].length][objects.length];

for(int i= 0; i< objects.length; i++) {

for(int j= 0; j< objects[0].length; j++) {

output[j][i]= objects[i][j];

}

}

return output;

}

public static Object[][] matrixPostSwap(Object[][] objects){

Object[][] output= new Object[objects.length][objects[0].length];

for(int i= 0; i< objects.length; i++) {

for(int j= 0; j< objects[0].length; j++) {

output[i][objects[0].length- j]= objects[i][j];

}

}

return output;

}

public static Object[][] matrixInSwap(Object[][] objects){

Object[][] output= new Object[objects.length][objects[0].length];

for(int i= 0; i< objects.length; i++) {

for(int j= 0; j< objects[0].length; j++) {

output[objects.length- i][j]= objects[i][j];

}

}

return output;

}

public static Object[][] matrixReverseSwap(Object[][] objects){

Object[][] output= new Object[objects.length][objects[0].length];

for(int i= 0; i< objects.length; i++) {

for(int j= 0; j< objects[0].length; j++) {

output[objects.length- i][objects[0].length- j]= objects[i][j];

}

}

return output;

}

public static Object[] matrixToArray(Object[][] objects){

Object[] output= new Object[objects.length\* objects[0].length];

for(int i= 0; i< objects.length; i++) {

for(int j= 0; j< objects[0].length; j++) {

output[i\* objects.length+ j]= objects[i][j];

}

}

return output;

}

}

MatrixValidation, 矩阵类

package MSV.OSU.matrix;

import ESU.stable.Stable;

public class MatrixValidation{

public static boolean matrixCheck(Object[][] objects

, String attribute){

if(attribute.equalsIgnoreCase(Stable.STRING\_BOOLEAN)) {

for(int i= 0; i< objects.length; i++) {

for(int j= 0; j< objects[0].length; j++) {

if(!(objects[i][j] instanceof Boolean)) {

return false;

}

}

}

}

if(attribute.equalsIgnoreCase(Stable.STRING\_INT)) {

for(int i= 0; i<objects.length; i++) {

for(int j= 0; j<objects[0].length; j++) {

if(!(objects[i][j] instanceof Integer)) {

return false;

}

}

}

}

if(attribute.equalsIgnoreCase(Stable.STRING\_LONG)) {

for(int i= 0; i< objects.length; i++) {

for(int j= 0; j< objects[0].length; j++) {

if(!(objects[i][j] instanceof Long)) {

return false;

}

}

}

}

if(attribute.equalsIgnoreCase(Stable.STRING\_DOUBLE)) {

for(int i= 0; i< objects.length; i++) {

for(int j= 0; j< objects[0].length; j++) {

if(!(objects[i][j] instanceof Double)) {

return false;

}

}

}

}

if(attribute.equalsIgnoreCase(Stable.STRING\_FLOAT)) {

for(int i= 0; i< objects.length; i++) {

for(int j= 0; j< objects[0].length; j++) {

if(!(objects[i][j] instanceof Float)) {

return false;

}

}

}

}

if(attribute.equalsIgnoreCase(Stable.STRING\_STRING)) {

for(int i= 0; i< objects.length; i++) {

for(int j= 0; j< objects[0].length; j++) {

if(!(objects[i][j] instanceof String)) {

return false;

}

}

}

}

if(attribute.equalsIgnoreCase(Stable.STRING\_SHORT)) {

for(int i= 0; i< objects.length; i++) {

for(int j= 0; j< objects[0].length; j++) {

if(!(objects[i][j] instanceof Short)) {

return false;

}

}

}

}

if(attribute.equalsIgnoreCase(Stable.STRING\_BYTE)) {

for(int i= 0; i< objects.length; i++) {

for(int j= 0; j< objects[0].length; j++) {

if(!(objects[i][j] instanceof Byte)) {

return false;

}

}

}

}

return true;

}

public static Object[][] matrixFix(Object[][] objects

, String attribute){

if(attribute.equalsIgnoreCase(Stable.STRING\_BOOLEAN)) {

for(int i= 0; i< objects.length; i++) {

for(int j= 0; j< objects[0].length; j++) {

if(!(objects[i][j] instanceof Boolean)) {

objects[i][j]= false;

}

}

}

}

if(attribute.equalsIgnoreCase(Stable.STRING\_INT)) {

for(int i= 0; i< objects.length; i++) {

for(int j= 0; j< objects[0].length; j++) {

if(!(objects[i][j] instanceof Integer)) {

objects[i][j]= (int)0;

}

}

}

}

if(attribute.equalsIgnoreCase(Stable.STRING\_LONG)) {

for(int i= 0; i< objects.length; i++) {

for(int j= 0; j< objects[0].length; j++) {

if(!(objects[i][j] instanceof Long)) {

objects[i][j]= (long)0;

}

}

}

}

if(attribute.equalsIgnoreCase(Stable.STRING\_DOUBLE)) {

for(int i= 0; i< objects.length; i++) {

for(int j= 0; j< objects[0].length; j++) {

if(!(objects[i][j] instanceof Double)) {

objects[i][j]= (double)0.0;

}

}

}

}

if(attribute.equalsIgnoreCase(Stable.STRING\_FLOAT)) {

for(int i= 0; i< objects.length; i++) {

for(int j= 0; j< objects[0].length; j++) {

if(!(objects[i][j] instanceof Float)) {

objects[i][j]= (float)0.0;

}

}

}

}

if(attribute.equalsIgnoreCase(Stable.STRING\_STRING)) {

for(int i= 0; i< objects.length; i++) {

for(int j= 0; j< objects[0].length; j++) {

if(!(objects[i][j] instanceof String)) {

objects[i][j]= "";

}

}

}

}

if(attribute.equalsIgnoreCase(Stable.STRING\_SHORT)) {

for(int i= 0; i< objects.length; i++) {

for(int j= 0; j< objects[0].length; j++) {

if(!(objects[i][j] instanceof Short)) {

objects[i][j]= (short)0;

}

}

}

}

if(attribute.equalsIgnoreCase(Stable.STRING\_BYTE)) {

for(int i= 0; i< objects.length; i++) {

for(int j= 0; j< objects[0].length; j++) {

if(!(objects[i][j] instanceof Byte)) {

objects[i][j]= (byte)0;

}

}

}

}

return objects;

}

}

Matrix3DSwap, 矩阵类

package ESU.matrix3D;

public class Matrix3D\_ESU{

public static Object[][][] matrixShiftSwapXYZ(Object[][][] objects){

Object[][][] output

= new Object[objects[0][0].length][objects.length][objects[0].length];

for(int i= 0; i< objects.length; i++) {

for(int j= 0; j< objects[0].length; j++) {

for(int k= 0; k< objects[0][0].length; k++) {

output[k][i][j]= objects[i][j][k];

}

}

}

return output;

}

public static Object[][][] matrixInclineSwapXY(Object[][][] objects){

Object[][][] output

= new Object[objects[0].length][objects.length][objects[0][0].length];

for(int i= 0; i< objects.length; i++) {

for(int j= 0; j< objects[0].length; j++) {

for(int k= 0; k< objects[0][0].length; k++) {

output[j][i][k]= objects[i][j][k];

}

}

}

return output;

}

public static Object[][][] matrixInclineSwapXZ(Object[][][] objects){

Object[][][] output

= new Object[objects[0][0].length][objects[0].length][objects.length];

for(int i= 0; i< objects.length; i++) {

for(int j= 0; j< objects[0].length; j++) {

for(int k= 0; k< objects[0][0].length; k++) {

output[k][j][i]= objects[i][j][k];

}

}

}

return output;

}

public static Object[][][] matrixInclineSwapYZ(Object[][][] objects){

Object[][][] output

= new Object[objects.length][objects[0][0].length][objects[0].length];

for(int i= 0; i< objects.length; i++) {

for(int j= 0; j< objects[0].length; j++) {

for(int k= 0; k< objects[0][0].length; k++) {

output[i][k][j]= objects[i][j][k];

}

}

}

return output;

}

public static Object[][][] matrixReverseSwap(Object[][][] objects){

Object[][][] output= new Object[objects.length][objects[0].length][];

for(int i= 0; i< objects.length; i++) {

for(int j= 0; j< objects[0].length; j++) {

for(int k= 0; k< objects[0][0].length; k++) {

output[objects.length- i][objects[0].length- j]

[objects[0][0].length- k]= objects[i][j][k];

}

}

}

return output;

}

public static Object[][][] matrixReverseSwapXY(Object[][][] objects){

Object[][][] output= new Object[objects.length][objects[0].length][];

for(int i= 0; i< objects.length; i++) {

for(int j= 0; j< objects[0].length; j++) {

for(int k= 0; k< objects[0][0].length; k++) {

output[objects.length- i][objects[0].length- j][k]

= objects[i][j][k];

}

}

}

return output;

}

public static Object[][][] matrixReverseSwapXZ(Object[][][] objects){

Object[][][] output= new Object[objects.length][objects[0].length][];

for(int i= 0; i< objects.length; i++) {

for(int j= 0; j< objects[0].length; j++) {

for(int k= 0; k< objects[0][0].length; k++) {

output[objects.length- i][j][objects[0][0].length- k]

= objects[i][j][k];

}

}

}

return output;

}

public static Object[][][] matrixReverseSwapYZ(Object[][][] objects){

Object[][][] output= new Object[objects.length][objects[0].length][];

for(int i= 0; i< objects.length; i++) {

for(int j= 0; j< objects[0].length; j++) {

for(int k= 0; k< objects[0][0].length; k++) {

output[i][objects[0].length- j][objects[0][0].length- k]

= objects[i][j][k];

}

}

}

return output;

}

public static Object[] matrixToArray(Object[][][] objects){

Object[] output= new Object[objects.length

\* objects[0].length\* objects[0][0].length];

for(int i= 0; i< objects.length; i++) {

for(int j= 0; j< objects[0].length; j++) {

for(int k= 0; k< objects[0][0].length; k++) {

output[i\* objects.length\* objects[0].length

+ j\* objects[0].length+ k]= objects[i][j][k];

}

}

}

return output;

}

}

ObjectSwap, 对象类

package ESU.object;

import com.google.gson.Gson;

public class Object\_ESU{

public static String objectToJsonString(Gson gson, Object object){

return gson.toJson(object);

}

}

StockCode, 股市类

package ESU.stock;

import java.io.BufferedReader;

import java.io.File;

import java.io.FileReader;

import java.io.IOException;

import java.util.ArrayList;

import java.util.List;

import java.util.regex.Matcher;

import java.util.regex.Pattern;

public class StockCode{

public List<String> list;

public List<String> todayList;

public void readDBcodeTOList(String code) throws IOException {

list= new ArrayList<String>();

File afile

= new File("StockString.OTOO\_STOCK\_DB\_OLD+code+StockString.OTOO\_TXT");

BufferedReader areader= null;

String atempString= "StockString.OTOO\_EMPTY";

areader= new BufferedReader(new FileReader(afile));

while ((atempString= areader.readLine())!= null) {

if(atempString!= null)

if(!atempString.equals("StockString.OTOO\_EMPTY")){

list.add(atempString);

}

}

areader.close();

}

public void readTodaycodeTOList() throws IOException {

todayList= new ArrayList<String>();

File afile= new File("tockString.STOCK\_DB\_TODAY");

BufferedReader areader= null;

String atempString= "StockString.OTOO\_EMPTY";

areader= new BufferedReader(new FileReader(afile));

while ((atempString= areader.readLine())!= null) {

if(atempString!= null)

if(!atempString.equals("StockString.OTOO\_EMPTY")){

todayList.add(atempString);

}

}

areader.close();

}

public String readStringTOFormatWithoutCode(String input) throws IOException {

String output= null;

Pattern p= Pattern.compile("\"(.\*?)\"");

Matcher m= p.matcher(input);

if(m.find())

if(!m.group(0).equals("\"\"")) {

output= m.group(0).replace("\"", "");

}

return output;

}

public String readStringTOFormatWithCode(String input) throws IOException {

String output= null;

Pattern p0= Pattern.compile("r\_(.\*?)=");

Matcher m0= p0.matcher(input);

Pattern p= Pattern.compile("\"(.\*?)\"");

Matcher m= p.matcher(input);

if(m.find())

if(!m.group(0).equals("\"\"")) {

if(m0.find()) {

output= m0.group(0).replace("r\_", "").replace("=", "");

}

output+= ","+ m.group(0).replace("\"", "");

}

return output;

}

public static void main(String [] argv)

throws IOException, InterruptedException {

//OtoO a=new OtoO();

}

}

QuickLuoyaoguang4D, 排序类

//罗瑶光左右比对法小高峰过滤早期版本。

package ESU.string;

import java.util.HashMap;

import java.util.Map;

public class QuickLuoyaoguang4D{

Map<String, Boolean> find= new HashMap<>();

public void quick4DStringArray(String[] a, int lp, int rp, int scale) {

quick4DString(a, lp, rp, 0);

for(int k= 1; k< scale; k++) {

quick4DString(a, lp, rp, k);

}

}

public void quick4DString(String[] a, int lp, int rp, int scale) {

if(lp< rp){

int c= rp- lp; if(c< 7){

int j;

for(int i= 1+ lp; i<= lp+ c; i++){

j= i;

while(j>= 1+ lp){

if(a[j].length()> scale&& a[j- 1].length()> scale) {

if(a[j].toLowerCase().charAt(scale)

< a[j- 1].toLowerCase().charAt(scale)){

conditionSwap(a, scale, j);

}else if(a[j].toLowerCase().charAt(scale)

== a[j-1].toLowerCase().charAt(scale)) {

if(a[j].charAt(scale)< a[j- 1].charAt(scale)) {

conditionSwap(a, scale, j);

}

}

}

j--;

}

}

return;

}

int pos= partitionString(a, lp, rp, scale);

quick4DString(a, lp, pos- 1, scale);

quick4DString(a, pos+ 1, rp, scale);

}

}

private void conditionSwap(String[] a, int scale, int j) {

boolean find= true;

for(int p= 0; p< scale; p++) {

if(a[j].charAt(p)!= a[j- 1].charAt(p)) {

find= false;

}

}

if(find) {

String temp= a[j];

a[j]= a[j-1];

a[j-1]= temp;

}

}

private int partitionString(String[] a, int lp, int rp, int scale) {

String x= a[lp];

if(!(a[lp].length()<= scale|| a[rp].length()<= scale)){

x= a[lp].toLowerCase().charAt(scale)

< a[rp].toLowerCase().charAt(scale)? a[lp]: a[rp];

}

int lp1= lp;

while(lp1< rp){

while(innerConditionUp(a, scale, x, lp1, rp)){

lp1++;

}

while(innerConditionDown(a, scale, x, rp)){

rp--;

}

if(lp1< rp){

boolean find= true;

for(int p= 0; p< scale; p++) {

if(a[rp].charAt(p)!= a[lp1].charAt(p)) {

find= false;

}

}

if(find) {

String temp= a[rp];

a[rp]= a[lp1];

a[lp1]= temp;

}else {

lp1++;

}

}

}

if(lp1< rp) {

a[lp]= a[rp]; a[rp]= x;

}

return rp;

}

private boolean innerConditionUp(String[] a, int scale

, String x, int lp1, int rp) {

if(lp1>= a.length) {

return false;

}

if(a[lp1].length()<= scale|| x.length()<= scale) {

return true;

}

if(!(a[lp1].toLowerCase().charAt(scale)

> x.toLowerCase().charAt(scale)|| lp1>= rp)) {

return true;

}

return false;

}

private boolean innerConditionDown(String[] a, int scale, String x, int rp) {

if(rp>= a.length){

return false;

}

if(rp< 0) {

return false;

}

if(a[rp].length()<= scale|| x.length()<= scale) {

return true;

}

if(a[rp].toLowerCase().charAt(scale)

> x.toLowerCase().charAt(scale)) {

return true;

}

return false;

}

}

StringSequency, 字符频率类

package ESU.string;

public class StringSequency{

public static String stringToSequency(String string){

char[] chars= string.toCharArray();

for(int i= 0; i< chars.length; i++) {

for(int j= 0; j< chars.length; j++) {

if(chars[i]< chars[j]) {

char temp= chars[i];

chars[i]= chars[j];

chars[j]= temp;

}

}

}

return String.valueOf(chars);

}

public static String[] stringArrayToSequencyArrayIncrement(String[] string

, int scale){

//比较头

for(int i= 0; i< string.length; i++) {

for(int j= 0; j< string.length; j++) {

//区别字母

if(string[i].toLowerCase().charAt(0)

< string[j].toLowerCase().charAt(0)) {

//区别大小写

String temp= string[i].toString();

string[i]= string[j].toString();

string[j]= temp.toString();

}

}

}

//比较身

for(int k= 1; k< scale; k++) {

for(int i= 0; i< string.length; i++) {

for(int j= 0; j< string.length; j++) {

if(string[i].length()> k&& string[j].length()> k) {

if(string[i].toLowerCase().charAt(k)

< string[j].toLowerCase().charAt(k)) {

boolean find= true;

for(int p= 0; p< k; p++) {

if(string[i].charAt(p)!= string[j].charAt(p)) {

find= false;

}

}

if(find) {

String temp= string[i].toString();

string[i]= string[j].toString();

string[j]= temp.toString();

}

}

}

}

}

}

return string;

}

public static String[] stringArrayToSequencyArrayDecrement(String[] string

, int scale){

//比较头

for(int i= 0; i< string.length; i++) {

for(int j= 0; j< string.length; j++) {

//区别字母

if(string[i].toLowerCase().charAt(0)

< string[j].toLowerCase().charAt(0)) {

//区别大小写

String temp= string[i].toString();

string[i]= string[j].toString();

string[j]= temp.toString();

}else if(string[i].toLowerCase().charAt(0)

== string[j].toLowerCase().charAt(0)) {

//区别大小写

if(string[i].charAt(0)<string[j].charAt(0)) {

String temp= string[i].toString();

string[i]= string[j].toString();

string[j]= temp.toString();

}

}

}

}

//比较身

for(int k= 1; k< scale; k++) {

for(int i= 0; i< string.length; i++) {

for(int j= 0; j< string.length; j++) {

if(string[i].length()> k&& string[j].length()> k) {

if(string[i].toLowerCase().charAt(k)

< string[j].toLowerCase().charAt(k)) {

boolean find= true;

for(int p= 0; p< k; p++) {

if(string[i].charAt(p)!= string[j].charAt(p)) {

find= false;

}

}

if(find) {

String temp= string[i].toString();

string[i]= string[j].toString();

string[j]= temp.toString();

}

}else if(string[i].toLowerCase().charAt(k)

== string[j].toLowerCase().charAt(k)) {

//区别大小写

if(string[i].charAt(k)<string[j].charAt(k)) {

boolean find= true;

for(int p= 0; p< k; p++) {

if(string[i].charAt(p)!= string[j].charAt(p)) {

find= false;

}

}

if(find) {

String temp= string[i].toString();

string[i]= string[j].toString();

string[j]= temp.toString();

}

}

}

}

}

}

}

return string;

}

// //DEMO

public static void main(String[] argv) {

//1

String testValue[]= new String[2500];

testValue[0]= "ca罗cded";

testValue[1]= "ba罗cded";

testValue[2]= "瑶Bcedd";

testValue[3]= "Ca罗cded";

testValue[4]= "瑶Ab";

testValue[5]= "bCaef";

testValue[6]= "BCAe";

for(int i=7;i<2500;i++) {

testValue[i]=""+ Math.random();

}

// new QuickLuoyaoguang4D().quick4DStringArray(testValue, 0

// ,testValue.length-1,16);

//testValue= stringToSequencyArrayIncrement(testValue, 0);

// testValue= stringArrayToSequencyArrayDecrement(testValue, 16);

System.out.println(testValue[0]);

System.out.println(testValue[1]);

System.out.println(testValue[2]);

System.out.println(testValue[3]);

System.out.println(testValue[4]);

System.out.println(testValue[5]);

System.out.println(testValue[6]);

testValue= new String[2500];

testValue[0]= "ca罗cded";

testValue[1]= "ba罗cded";

testValue[2]= "瑶Bcedd";

testValue[3]= "Ca罗cded";

testValue[4]= "瑶Ab";

testValue[5]= "bCaef";

testValue[6]= "BCAe";

for(int i=7;i<2500;i++) {

testValue[i]=""+ Math.random();

}

new QuickLuoyaoguang4D().quick4DStringArray(testValue, 0

,testValue.length-1,16);

// testValue= stringArrayToSequencyArrayDecrement(testValue, 16);

System.out.println(testValue[0]);

System.out.println(testValue[1]);

System.out.println(testValue[2]);

System.out.println(testValue[3]);

System.out.println(testValue[4]);

System.out.println(testValue[5]);

System.out.println(testValue[6]);

//2

//// String value= "AabusahudBDHDbuHgfUiGgfj";

//// System.out.println(stringToSequency(value));

}

}

StringValidation, 字符类

package org.deta.tinos.string;

import java.util.Map;

import org.deta.tinos.stable.Stable;

public class StringValidation{

public static String stringCodeFilter(String string, String swapSymbol, String collection){

StringBuilder stringBuilder= new StringBuilder();

for(int i= 0; i< string.length(); i++) {

if(collection.contains(Stable.STRING\_EMPTY+ string.charAt(i))){

stringBuilder.append(swapSymbol);

}else {

stringBuilder.append(string.charAt(i));

}

}

return stringBuilder.toString();

}

public static String stringCodeFilter(String string, String swapSymbol, Map<String, Boolean> collection){

StringBuilder stringBuilder= new StringBuilder();

for(int i= 0; i< string.length(); i++) {

if(collection.containsKey(Stable.STRING\_EMPTY+ string.charAt(i))){

stringBuilder.append(swapSymbol);

}else {

stringBuilder.append(string.charAt(i));

}

}

return stringBuilder.toString();

}

}

StringSwap, 字符类

package ESU.string;

import java.io.UnsupportedEncodingException;

public class String\_ESU{

public static String[] stringToArray(String stopBy, String string){

String[] strings= string.split(stopBy);

return strings;

}

public static String stringArrayToString(String[] strings){

StringBuilder stringBuilder= new StringBuilder();

for(String string: strings) {

stringBuilder.append(string);

}

return stringBuilder.toString();

}

public static String stringToURIencode(String string, String encoding)

throws UnsupportedEncodingException{

return java.net.URLEncoder.encode(string, encoding);

}

@SuppressWarnings("deprecation")

public static String stringToURIencode(String string)

throws UnsupportedEncodingException{

return java.net.URLEncoder.encode(string);

}

@SuppressWarnings("deprecation")

public static String uRIencodeToURIdecode(String string){

return java.net.URLDecoder.decode(string);

}

public static String uRIencodeToURIdecode(String string, String encode)

throws UnsupportedEncodingException{

return java.net.URLDecoder.decode(string, encode);

}

public static int[] stringToCharASCII(String string){

int[] charASCII= new int[string.length()];

for(int i= 0; i< string.length(); i++){

charASCII[i]= string.charAt(i);

}

return charASCII;

}

public static String charsetSwap(String string, String inputCharset

, String outputCharset)

throws UnsupportedEncodingException{

String output= new String(string.getBytes(inputCharset), outputCharset);

return output;

}

}

StringBuilderSwap, 字符类

package ESU.stringBuilder;

import java.util.Map;

import org.json.JSONObject;

import org.json.XML;

import com.google.gson.Gson;

import com.google.gson.reflect.TypeToken;

public class StringBuilder\_ESU{

public static char[] stringBuilderToCharArray(StringBuilder stringBuilder) {

return stringBuilder.toString().toCharArray();

}

public static String stringBuilderToString(StringBuilder stringBuilder) {

return stringBuilder.toString();

}

public static String stringBuilderToJson(Gson gson

, StringBuilder stringBuilder) {

return gson.toJson(stringBuilder.toString());

}

public static String stringBuilderToXml(Gson gson

, StringBuilder stringBuilder){

JSONObject jSONObject

= new JSONObject(gson.toJson(stringBuilder.toString()));

return XML.toString(jSONObject);

}

public static String[] stringBuilderToSplitArray(String stopBy

, StringBuilder stringBuilder){

String[] strings= stringBuilder.toString().split(stopBy);

return strings;

}

public static Map<String, Object> stringBuilderToMap(Gson gson

, StringBuilder stringBuilder){

JSONObject jSONObject

= new JSONObject(gson.toJson(stringBuilder.toString()));

return gson.fromJson(jSONObject.toString()

, new TypeToken<Map<String, Object>>(){}.getType());

}

}

TreeSwap, 图类

package ESU.tree;

import java.util.Iterator;

import java.util.Map;

import java.util.Set;

import java.util.Vector;

import org.json.JSONObject;

import org.json.XML;

import com.google.gson.Gson;

import com.google.gson.reflect.TypeToken;

public class Tree\_ESU{

public static String treeToJsonString(Gson gson, Set<Object> sets){

return gson.toJson(sets);

}

public static Object stringTreeToJsonString(Gson gson, Set<String> sets) {

return gson.toJson(sets);

}

public static String treeToXml(Gson gson, Set<Object> sets){

return XML.toString(new JSONObject(gson.toJson(sets)));

}

public static String treeToMap(Gson gson, Set<Object> sets){

return gson.fromJson(new JSONObject(gson.toJson(sets)).toString()

, new TypeToken<Map<String, Object>>(){}.getType());

}

public static Object[] treeToObjectArray(Set<Object> sets){

return sets.toArray();

}

public static Iterator<Object> treeToIterator(Set<Object> sets){

return sets.iterator();

}

public static Vector<Object> treeToVector(Set<Object> sets){

Vector<Object> vector= new Vector<>();

Iterator<Object> iterator= sets.iterator();

while(iterator.hasNext()) {

vector.add(iterator.next());

}

return vector;

}

}

TSP, 商旅类

package ESU.tsp;

import java.util.ArrayList;

import java.util.List;

//Attension, this is designed by yaoguang luo and follow BSD license.

/\*

output will be

x:0y:0

x:1y:0

x:2y:10

x:8y:22

x:16y:30

x:18y:20

x:22y:18

x:12y:16

x:10y:10

x:6y:6

x:1y:1

the shortest distance:102

\*/

public class TSP{

public static int small=1000000000;

public static void main(String []argv){

int []x= new int[11];

int []y= new int[11];

x[0]= 0;y[0]= 0;

x[1]= 1;y[1]= 0;

x[2]= 2;y[2]= 10;

x[3]= 12;y[3]= 16;

x[4]= 6;y[4]= 6;

x[5]= 8;y[5]= 22;

x[6]= 16;y[6]= 30;

x[7]= 22;y[7]= 18;

x[8]= 18;y[8]= 20;

x[9]= 10;y[9]= 10;

x[10]= 1;y[10]= 1;

node first= new node();

first.x=0;

first.y=0;

first.used=0;

List<node>nodes= new ArrayList<node>();

findpath(first,x,y,nodes);

System.out.print(1);

sort(nodes,first.x,first.y,x.length);

System.out.print(2);

}

public static void sort( List<node> nodes,int x, int y,int N){

node temp=nodes.get(nodes.size()-1);

node temp1=nodes.get(nodes.size()-1);

System.out.println("the short one");

node []out=new node[N];

while(temp!=null){

out[temp.used]=temp;

temp=temp.prev;

}

while(temp1!=null){

out[temp1.used]=temp1;

temp1=temp1.next;

}

for(int i1=0;i1<out.length;i1++){

if(out[i1]!=null){

System.out.println("x:"+out[i1].x+"y:"+out[i1].y);

}

}

System.out.println("the shortest distance:"+out[out.length-1].total\_dis);

}

public static int find(node first,int i,int[] x,int[] y){

if(first.x== x[i] && first.y== y[i]){

return 1;

}

node temp= first;

node temp1= first;

while(temp.prev!= null){

temp= temp.prev;

if(temp.x== x[i]&& temp.y== y[i]){

return 1;

}

}

while(temp1.next!=null){

temp1= temp1.next;

if (temp1.x== x[i] && temp1.y== y[i]) {

return 1;

}

}

return 0;

}

public static int findSmall(node first,int []x,int []y){

while(first.next!=null) {

first= first.next;

}

if(first.x==x[x.length-1]&& first.y==y[y.length-1]){

if(first.used==x.length-1){

if(first.total\_dis<small){

small=first.total\_dis;

return 1;

}

//System.out.println(first.u

}

}

return 0;

}

public static void findpath(node first, int[]x, int[]y, List<node> nodes){

for(int i=0;i<x.length;i++){

node first\_copy= new node();

first\_copy.x= first.x;

first\_copy.y= first.y;

first\_copy.used=first.used;

first\_copy.total\_dis= first.total\_dis;

first\_copy.next=first.next;

first\_copy.prev=first.prev;

int find= find(first\_copy,i,x,y);

// int findSmall= findSmall(first\_copy,i,x,y);

if(find== 0){

int findSmall=findSmall(first\_copy,x,y);

//if(temp.used>=x.length-2)

//{

//}

node next= new node();

next.x= x[i];

next.y= y[i];

int dis= Math.abs(x[i] - first.x)

+ Math.abs(y[i] - first.y);

next.total\_dis= first\_copy.total\_dis + dis;

next.used= first\_copy.used+1;

first\_copy.next= next;

next.prev= first\_copy;

first\_copy= first\_copy.next;

findSmall= findSmall(first\_copy,x,y);

if(findSmall== 1){

// small= temp.total\_dis;

// nodes.clear();

nodes.add(first\_copy);

}

findpath(first\_copy, x, y,nodes);

}//

}

}

}

class node{

public int used= 0;

public int x;

public int y;

public int total\_dis= 0;

public node prev;

public node next;

public int index;

}

TSPEuler, 商旅类

package ESU.tsp;

import java.util.ArrayList;

import java.util.List;

//Attension, this is designed

//by yaoguang luo and follow BSD license.

/\*

output will be, and time<1sec

x:0y:0

x:39y:39

x:38y:38

x:37y:37

x:36y:36

x:35y:35

x:34y:34

x:33y:33

x:32y:32

x:31y:31

x:30y:30

x:29y:29

x:28y:28

x:27y:27

x:26y:26

x:25y:25

x:24y:24

x:23y:23

x:22y:22

x:21y:21

x:20y:20

x:19y:19

x:18y:18

x:17y:17

x:16y:16

x:15y:15

x:14y:14

x:13y:13

x:12y:12

x:11y:11

x:10y:10

x:3y:23

x:1y:20

x:8y:28

x:15y:25

x:17y:7

x:19y:1

x:12y:2

x:6y:6

x:4y:4

x:1y:1

the shortest distance:242

\*/

public class TSPEuler{

public static int small= 1000000000;

public static int te= 0;

public static void main(String[] argv){

int []x= new int[41];

int []y= new int[41];

x[0]= 0;y[0]= 0;

x[1]= 1;y[1]= 20;

x[2]= 12;y[2]= 2;

x[3]= 3;y[3]= 23;

x[4]= 4;y[4]= 4;

x[5]= 15;y[5]= 25;

x[6]= 6;y[6]= 6;

x[7]= 17;y[7]= 7;

x[8]= 8;y[8]= 28;

x[9]= 19;y[9]= 1;

x[10]= 10;y[10]= 10;

x[11]= 11;y[11]= 11;

x[12]= 12;y[12]= 12;

x[13]= 13;y[13]= 13;

x[14]= 14;y[14]= 14;

x[15]= 15;y[15]= 15;

x[16]= 16;y[16]= 16;

x[17]= 17;y[17]= 17;

x[18]= 18;y[18]= 18;

x[19]= 19;y[19]= 19;

x[20]= 20;y[20]= 20;

x[21]= 21;y[21]= 21;

x[22]= 22;y[22]= 22;

x[23]= 23;y[23]= 23;

x[24]= 24;y[24]= 24;

x[25]= 25;y[25]= 25;

x[26]= 26;y[26]= 26;

x[27]= 27;y[27]= 27;

x[28]= 28;y[28]= 28;

x[29]= 29;y[29]= 29;

x[30]= 30;y[30]= 30;

x[31]= 31;y[31]= 31;

x[32]= 32;y[32]= 32;

x[33]= 33;y[33]= 33;

x[34]= 34;y[34]= 34;

x[35]= 35;y[35]= 35;

x[36]= 36;y[36]= 36;

x[37]= 37;y[37]= 37;

x[38]= 38;y[38]= 38;

x[39]= 39;y[39]= 39;

x[40]= 1;y[40]= 1;

/\*

x[41]= 1;y[41]= 1;

/\*

x[42]= 1;y[42]= 1;

/\*

x[43]= 43;y[43]= 33;

x[44]= 1;y[44]= 1;

/\*

x[45]= 45;y[45]= 35;

x[46]= 46;y[46]= 36;

x[47]= 47;y[47]= 37;

x[48]= 48;y[48]= 38;

x[49]= 49;y[49]= 39;

x[50]= 1;y[50]= 1;

\*/

node first= new node();

first.x=0;

first.y=0;

first.used=0;

List<node>nodes= new ArrayList<node>();

if(x.length>13){

findpath(first,x,y,nodes);

}else{

findrandom(first,x,y,nodes);

}

System.out.print(1);

sort(nodes,first.x,first.y,x.length);

System.out.print(2);

}

public static void findrandom(node first, int[]x

, int[]y, List<node> nodes){

int min=999999999;

int big=0;

for(int i=0;i<x.length;i++){

node first\_copy= new node();

first\_copy.x= first.x;

first\_copy.y= first.y;

first\_copy.used= first.used;

first\_copy.total\_dis= first.total\_dis;

first\_copy.next= first.next;

first\_copy.prev= first.prev;

int find= find(first\_copy,i,x,y);

if(find== 0){

te++;

node next= new node();

next.x= x[i];

next.y= y[i];

int dis= Math.abs(x[i]- first.x)

+ Math.abs(y[i]- first.y);

next.total\_dis= first\_copy.total\_dis+ dis;

next.used= first\_copy.used+ 1;

first\_copy.next= next;

next.prev= first\_copy;

first\_copy= first\_copy.next;

int findSmall= findSmall(first\_copy, x, y);

if(findSmall== 1){

nodes.add(first\_copy);

}

int cc= 0;

if(first\_copy.total\_dis>big){

cc+= 1;

big= first\_copy.total\_dis;

}else if(first\_copy.total\_dis< min){

cc+= 1;

min= first\_copy.total\_dis;

}

if(cc>0) {

findrandom(first\_copy, x, y, nodes);

}

}

}

}

public static void sort( List<node> nodes,int x, int y, int N){

node temp= nodes.get(nodes.size()- 1);

node temp1= nodes.get(nodes.size()- 1);

System.out.println("the short one");

node []out= new node[N];

while(temp!= null){

out[temp.used]= temp;

temp= temp.prev;

}

while(temp1!= null){

out[temp1.used]= temp1;

temp1= temp1.next;

}

for(int i1= 0;i1< out.length; i1++){

if(out[i1]!= null){

System.out.println("x:"+ out[i1].x

+ "y:"+ out[i1].y);

}

}

System.out.println("the shortest distance:"

+ out[out.length- 1].total\_dis);

}

public static int find(node first, int i, int[] x, int[] y){

if(first.x== x[i]&& first.y== y[i]){

return 1;

}

node temp= first;

node temp1= first;

while(temp.prev!= null){

temp= temp.prev;

if(temp.x== x[i]&& temp.y== y[i]){

return 1;

}

if(temp.x== x[x.length- 1]&& temp.y== y[y.length- 1]){

if(temp.used!= x.length){

return 1;

}

}

if(temp.x== x[0]&& temp.y== y[0]){

if(temp.used!= 0){

return 1;

}

}

}

while(temp1.next!= null){

temp1= temp1.next;

if (temp1.x== x[i]&& temp1.y== y[i]) {

return 1;

}

if(temp1.x== x[x.length- 1]

&& temp1.y== y[y.length- 1]){

if(temp1.used!= x.length){

return 1;

}

}

if(temp1.x== x[0]&& temp1.y== y[0]){

if(temp1.used!= 0){

return 1;

}

}

}

if(temp.used!= 0){

return 1;

}

if(temp.x!= x[0]|| temp.y!= y[0]){

return 1;

}

return 0;

}

public static int findSmall(node first,int []x,int []y){

while(first.next!= null) {

first= first.next;

}

if(first.x== x[x.length- 1]&& first.y== y[y.length- 1]){

if(first.used== x.length- 1){

if(first.total\_dis< small){

small= first.total\_dis;

return 1;

}

}

}

return 0;

}

public static void findpath(node first, int[]x

, int[]y, List<node> nodes){

int min= 999999999;

int big= 0;

for(int i= 0; i< x.length; i++){

int find= find(first,i,x,y);

if(find== 0) {

int dis= Math.abs(x[i]- first.x)

+ Math.abs(y[i]- first.y);

int total\_dis= first.total\_dis+ dis;

if (total\_dis>= big) {

big= total\_dis;

}

if (total\_dis<= min) {

min= total\_dis;

}

}

}

for(int i= 0; i< x.length; i++){

node first\_copy= new node();

first\_copy.x= first.x;

first\_copy.y= first.y;

first\_copy.used= first.used;

first\_copy.total\_dis= first.total\_dis;

first\_copy.next= first.next;

first\_copy.prev= first.prev;

int find= find(first\_copy,i,x,y);

if(find== 0){

te++;

node next= new node();

next.x= x[i];

next.y= y[i];

int dis= Math.abs(x[i]- first.x)

+ Math.abs(y[i]- first.y);

next.total\_dis= first\_copy.total\_dis+ dis;

next.used= first\_copy.used+ 1;

first\_copy.next= next;

next.prev= first\_copy;

first\_copy= first\_copy.next;

int findSmall= findSmall(first\_copy,x,y);

if(findSmall== 1){

nodes.add(first\_copy);

}

int cc=0;

if(first\_copy.total\_dis>= big\*1){

cc+= 1;

//big=first\_copy.total\_dis;

}else

if(first\_copy.total\_dis <= min\*1){

cc+= 1;

//min=first\_copy.total\_dis;

}

if(cc>0) {

findpath(first\_copy, x, y,nodes);

}

}//

}

}

}

YaoguangEulerTSP, 商旅类

package ESU.tsp;

import java.util.ArrayList;

import java.util.List;

/\*

output like be

4:4<-0:0->1:1

11:21<-1:20->3:23

4:4<-12:2->19:1

8:28<-3:23->1:20

1:1<-4:4->6:6

8:28<-15:25->11:21

10:10<-6:6->4:4

12:2<-17:7->19:1

15:25<-8:28->3:23

17:7<-19:1->12:2

12:12<-10:10->11:11

12:12<-11:11->10:10

13:13<-12:12->11:11

14:14<-13:13->12:12

15:15<-14:14->13:13

16:16<-15:15->14:14

17:17<-16:16->15:15

18:18<-17:17->16:16

19:19<-18:18->17:17

20:20<-19:19->18:18

21:21<-20:20->19:19

22:22<-21:21->20:20

23:23<-22:22->21:21

24:24<-23:23->22:22

25:25<-24:24->23:23

26:26<-25:25->24:24

27:27<-26:26->25:25

28:28<-27:27->26:26

29:29<-28:28->27:27

30:30<-29:29->28:28

31:31<-30:30->29:29

32:32<-31:31->30:30

33:33<-32:32->31:31

34:34<-33:33->32:32

35:35<-34:34->33:33

36:36<-35:35->34:34

37:37<-36:36->35:35

38:38<-37:37->36:36

39:39<-38:38->37:37

37:37<-39:39->38:38

22:22<-31:21->21:21

3:23<-11:21->15:25

4:4<-1:1->0:0

\*/

public class YaoguangEulerTSP{

public static int small= 1000000000;

public static int te= 0;

public static void main(String []argv){

int []x= new int[43];

int []y= new int[43];

x[0]= 0;y[0]= 0;

x[1]= 1;y[1]= 20;

x[2]= 12;y[2]= 2;

x[3]= 3;y[3]= 23;

x[4]= 4;y[4]= 4;

x[5]= 15;y[5]= 25;

x[6]= 6;y[6]= 6;

x[7]= 17;y[7]= 7;

x[8]= 8;y[8]= 28;

x[9]= 19;y[9]= 1;

x[10]= 10;y[10]= 10;

x[11]= 11;y[11]= 11;

x[12]= 12;y[12]= 12;

x[13]= 13;y[13]= 13;

x[14]= 14;y[14]= 14;

x[15]= 15;y[15]= 15;

x[16]= 16;y[16]= 16;

x[17]= 17;y[17]= 17;

x[18]= 18;y[18]= 18;

x[19]= 19;y[19]= 19;

x[20]= 20;y[20]= 20;

x[21]= 21;y[21]= 21;

x[22]= 22;y[22]= 22;

x[23]= 23;y[23]= 23;

x[24]= 24;y[24]= 24;

x[25]= 25;y[25]= 25;

x[26]= 26;y[26]= 26;

x[27]= 27;y[27]= 27;

x[28]= 28;y[28]= 28;

x[29]= 29;y[29]= 29;

x[30]= 30;y[30]= 30;

x[31]= 31;y[31]= 31;

x[32]= 32;y[32]= 32;

x[33]= 33;y[33]= 33;

x[34]= 34;y[34]= 34;

x[35]= 35;y[35]= 35;

x[36]= 36;y[36]= 36;

x[37]= 37;y[37]= 37;

x[38]= 38;y[38]= 38;

x[39]= 39;y[39]= 39;

x[40]= 31;y[40]= 21;

x[41]= 11;y[41]= 21;

x[42]= 1;y[42]= 1;

/\*

x[41]= 1;y[41]= 1;

/\*

x[42]= 1;y[42]= 1;

/\*

x[43]= 43;y[43]= 33;

x[44]= 1;y[44]= 1;

/\*

x[45]= 45;y[45]= 35;

x[46]= 46;y[46]= 36;

x[47]= 47;y[47]= 37;

x[48]= 48;y[48]= 38;

x[49]= 49;y[49]= 39;

x[50]= 1;y[50]= 1;

\*/

node first= new node();

first.x= 0;

first.y= 0;

first.used= 0;

List<node>nodes= new ArrayList<node>();

if(x.length> 13&& x.length<= 41){

findpath(first, x, y, nodes);

}else if(x.length<= 13){

findrandom(first, x, y, nodes);

}else{

findstate(first, x, y, nodes);

}

System.out.print(1);

sort(nodes, first.x, first.y, x.length);

System.out.print(2);

}

public static void findstate(node first, int[]x

, int[]y, List<node> nodes){

for(int i=0;i<x.length;i++){

//find less 2 node

int dis[]= new int [x.length];

for(int j= 0;j < x.length;j++){

dis[j]= Math.abs(x[j] - x[i])

+ Math.abs(y[j] - y[i]);

}

int small= 9999999;

int f= 0;

int s= 0;

int t= 0;

for(int j= 0; j< dis.length; j++){

if(dis[j]< small){

small= dis[j];

f= j;

}

}

small= 9999999;

for(int j= 0; j< dis.length; j++){

if(dis[j]< small&& j!= f){

//int find=0;

//for(int k=0;k<nodes.size();k++)

//{

//if(nodes.get(k).index==j )

//{

// if(nodes.get(k).prev.index==j

//|| nodes.get(k).next.index!=j)

// {

small= dis[j];

s= j;

// }

//}

//}

if(nodes.size()==0){

small= dis[j];

s= j;

}

}

}

small=9999999;

for(int j= 0;j<dis.length;j++){

if(dis[j]<small&& j!= f&& j!= s){

small= dis[j];

t= j;

/\*

if(nodes.get(k).index==j)

{

//if(nodes.get(k).prev.index != s

//&& nodes.get(k).next.index != s){

if(nodes.get(k).prev==null

|| nodes.get(k).next==null)

{

find+=1;

}

// }

}

\*/

if(nodes.size()== 0){

small= dis[j];

t= j;

}

}

}

node n=new node();

n.x=x[i];

n.y=y[i];

n.index=i;

n.next=new node();

n.next.x=x[s];

n.next.y=y[s];

n.next.index=s;

n.next.prev=n;

n.prev=new node();

n.prev.x=x[t];

n.prev.y=y[t];

n.prev.index=t;

n.prev.next=n;

nodes.add(n);

//s value=

}

}

public static void findrandom(node first, int[]x, int[]y

, List<node> nodes){

int min= 999999999;

int big= 0;

for(int i= 0; i<x.length; i++){

node first\_copy= new node();

first\_copy.x= first.x;

first\_copy.y= first.y;

first\_copy.used= first.used;

first\_copy.total\_dis= first.total\_dis;

first\_copy.next= first.next;

first\_copy.prev= first.prev;

int find= find(first\_copy,i,x,y);

if(find== 0){

te++;

node next= new node();

next.x= x[i];

next.y= y[i];

int dis= Math.abs(x[i] - first.x)

+ Math.abs(y[i] - first.y);

next.total\_dis= first\_copy.total\_dis + dis;

next.used= first\_copy.used+1;

first\_copy.next= next;

next.prev= first\_copy;

first\_copy= first\_copy.next;

int findSmall= findSmall(first\_copy,x,y);

if(findSmall== 1){

nodes.add(first\_copy);

}

int cc= 0;

if(first\_copy.total\_dis>big){

cc+= 1;

big= first\_copy.total\_dis;

}else if(first\_copy.total\_dis< min){

cc+= 1;

min= first\_copy.total\_dis;

}

if(cc>0)

findrandom(first\_copy, x, y,nodes);

}

}

}

public static void sort( List<node> nodes,int x, int y,int N){

if(N> 41){

for(int i= 0; i< nodes.size(); i++){

System.out.println(nodes.get(i).prev.x+ ":"+nodes.get(i).prev.y+

"<-"+nodes.get(i).x+ ":"+ nodes.get(i).y+ "->"

+ nodes.get(i).next.x+ ":"+nodes.get(i).next.y);

}

return;

}

node temp= nodes.get(nodes.size()-1);

node temp1= nodes.get(nodes.size()-1);

System.out.println("the short one");

node []out= new node[N];

while(temp!= null){

out[temp.used]= temp;

temp= temp.prev;

}

while(temp1!= null){

out[temp1.used]= temp1;

temp1= temp1.next;

}

for(int i1= 0; i1< out.length; i1++){

if(out[i1]!= null){

System.out.println("x:"+ out[i1].x

+ "y:"+out[i1].y);

}

}

System.out.println("the shortest distance:"

+ out[out.length-1].total\_dis);

}

public static int find(node first, int i, int[] x, int[] y){

if(first.x== x[i]&& first.y== y[i]){

return 1;

}

node temp= first;

node temp1= first;

while(temp.prev!= null){

temp= temp.prev;

if(temp.x== x[i]&& temp.y== y[i]){

return 1;

}

if(temp.x==x[x.length-1]&& temp.y==y[y.length-1]){

if(temp.used!=x.length){

return 1;

}

}

if(temp.x==x[0]&& temp.y==y[0]){

if(temp.used != 0){

return 1;

}

}

}

while(temp1.next!= null){

temp1= temp1.next;

if (temp1.x== x[i]&& temp1.y== y[i]) {

return 1;

}

if(temp1.x== x[x.length- 1]&& temp1.y== y[y.length- 1]){

if(temp1.used!= x.length){

return 1;

}

}

if(temp1.x== x[0]&& temp1.y== y[0]){

if(temp1.used!= 0){

return 1;

}

}

}

if(temp.used!= 0){

return 1;

}

if(temp.x!=x[0]|| temp.y!=y[0]){

return 1;

}

return 0;

}

public static int findSmall(node first, int []x, int []y){

while(first.next!=null) {

first= first.next;

}

if(first.x== x[x.length-1]&& first.y== y[y.length-1]){

if(first.used== x.length- 1){

if(first.total\_dis<small){

small= first.total\_dis;

return 1;

}

}

}

return 0;

}

public static void findpath(node first, int[]x

, int[]y, List<node> nodes){

int min= 999999999;

int big= 0;

for(int i= 0; i< x.length; i++){

int find= find(first, i, x, y);

if(find== 0) {

int dis= Math.abs(x[i]- first.x)

+ Math.abs(y[i]- first.y);

int total\_dis= first.total\_dis+ dis;

if (total\_dis>= big) {

big= total\_dis;

}

if (total\_dis<= min) {

min= total\_dis;

}

}

}

for(int i= 0; i< x.length; i++){

node first\_copy= new node();

first\_copy.x= first.x;

first\_copy.y= first.y;

first\_copy.used= first.used;

first\_copy.total\_dis= first.total\_dis;

first\_copy.next= first.next;

first\_copy.prev= first.prev;

int find= find(first\_copy, i, x, y);

if(find== 0){

te++;

node next= new node();

next.x= x[i];

next.y= y[i];

int dis= Math.abs(x[i]- first.x)

+ Math.abs(y[i]- first.y);

next.total\_dis= first\_copy.total\_dis+ dis;

next.used= first\_copy.used+ 1;

first\_copy.next= next;

next.prev= first\_copy;

first\_copy= first\_copy.next;

int findSmall= findSmall(first\_copy, x, y);

if(findSmall== 1){

nodes.add(first\_copy);

}

int cc= 0;

if(first\_copy.total\_dis>= big\*1){

cc+= 1;

//big=first\_copy.total\_dis;

}else if(first\_copy.total\_dis<= min\*1){

cc+= 1;

//min=first\_copy.total\_dis;

}

if(cc> 0) {

findpath(first\_copy, x, y,nodes);

}

}//

}

}

}

TXTSwap, 文本类

package ESU.txt;

import java.io.BufferedReader;

import java.io.File;

import java.io.FileInputStream;

import java.io.IOException;

import java.io.InputStream;

import java.io.InputStreamReader;

import java.util.ArrayList;

import java.util.List;

public class TXT\_ESU{

//注意字节编码的读写正确

public static Object[][] txtFileToObjectMatrix(String filePath

, String stopBy) throws IOException {

Object[][] object= new Object[65535][];

InputStream inputStream= new FileInputStream(new File(filePath));

BufferedReader cReader= new BufferedReader(

new InputStreamReader(inputStream));

String ctempString= null;

int i= 0;

while (null!= (ctempString= cReader.readLine())) {

object[i++]=ctempString.split(stopBy);

}

cReader.close();

return object;

}

public static Object[][] txtFileToObjectMatrixWithRange(String filePath

, String stopBy, int rangeBegin, int rangeEnd) throws IOException {

Object[][] object= new Object[rangeEnd- rangeBegin][];

InputStream inputStream= new FileInputStream(new File(filePath));

BufferedReader cReader= new BufferedReader(

new InputStreamReader(inputStream));

String ctempString= null;

int i= 0;

while (null!= (ctempString= cReader.readLine())) {

i++;

if(i<=rangeEnd&& i>= rangeBegin) {

object[i++]=ctempString.split(stopBy);

}

}

cReader.close();

return object;

}

public static List<String> txtFileToListStringWithRange(String filePath

, String stopBy, int rangeBegin, int rangeEnd) throws IOException {

List<String> list= new ArrayList<>();

InputStream inputStream= new FileInputStream(new File(filePath));

BufferedReader cReader= new BufferedReader(

new InputStreamReader(inputStream));

String ctempString= null;

int i= 0;

while (null!= (ctempString= cReader.readLine())) {

i++;

if(i<=rangeEnd&& i>=rangeBegin) {

list.add(ctempString);

}

}

cReader.close();

return list;

}

public static List<String> txtFileToListString(String filePath)

throws IOException {

List<String> list= new ArrayList<>();

InputStream inputStream= new FileInputStream(new File(filePath));

BufferedReader cReader= new BufferedReader(

new InputStreamReader(inputStream));

String ctempString= null;

while (null!= (ctempString= cReader.readLine())) {

list.add(ctempString);

}

cReader.close();

return list;

}

public static List<String[]> txtFileToListStringArray(String filePath

, String stopBy) throws IOException {

List<String[]> list= new ArrayList<>();

InputStream inputStream= new FileInputStream(new File(filePath));

BufferedReader cReader= new BufferedReader(

new InputStreamReader(inputStream));

String ctempString= null;

while (null!= (ctempString= cReader.readLine())) {

list.add(ctempString.split(stopBy));

}

cReader.close();

return list;

}

}

VectorSwap, 向量类

package ESU.tinos.vector;

import java.util.ArrayList;

import java.util.Iterator;

import java.util.LinkedHashMap;

import java.util.List;

import java.util.Map;

import java.util.Set;

import java.util.TreeSet;

import java.util.Vector;

import com.google.gson.Gson;

import ESU.stable.Stable;

public class Vector\_ESU{

public static Map<String, Object> vectorToMap(

Vector<Object> vector){

Map<String, Object> map= new LinkedHashMap<>();

Iterator<Object> iterator= vector.iterator();

int i= 0;

while(iterator.hasNext()) {

map.put(Stable.STRING\_EMPTY+ i++, iterator.next());

}

return map;

}

public static List<Object> vectorToList(Vector<Object> vector){

List<Object> list= new ArrayList<>();

Iterator<Object> iterator= vector.iterator();

while(iterator.hasNext()) {

list.add(iterator.next());

}

return list;

}

public static Object[] vectorToArray(Vector<Object> vector){

return vector.toArray();

}

public static Iterator<Object> vectorToIterator(

Vector<Object> vector){

return vector.iterator();

}

public static String vectorToJsonString(Gson gson

,Vector<Object> vector){

return gson.toJson(vector);

}

public static Set<Object> vectorToSet(Vector<Object> vector){

Set<Object> sets= new TreeSet<>();

Iterator<Object> iterator= vector.iterator();

while(iterator.hasNext()) {

sets.add(iterator.next());

}

return sets;

}

}

XMLSwap, 脚本类

package ESU.xml;

import org.json.XML;

import java.util.Map;

import java.util.Set;

import java.util.TreeSet;

import java.util.Vector;

import java.util.List;

import java.lang.reflect.Type;

import java.util.ArrayList;

import java.util.Hashtable;

import org.json.JSONArray;

import org.json.JSONObject;

import com.google.gson.Gson;

import com.google.gson.reflect.TypeToken;

import ESU.json.Json\_ESU;

public class XML\_ESU{

// 剔除个人著作权 申请范围

// public static JSONObject xmlToJsonObject(String string){

// return XML.toJSONObject(string);

// }

public static List<Object> xmlToList(String string, String key) {

JSONArray jSONArray= XML.toJSONObject(string).getJSONArray(key);

List<Object> list= new ArrayList<>();

for(int i= 0; i< jSONArray.length(); i++){

Object object= jSONArray.get(i);

if(object instanceof JSONObject){

list.add(new Gson().fromJson(jSONArray.getJSONObject(i).toString()

, new TypeToken<Map<String, Object>>(){}.getType()));

}else if(object instanceof String){

list.add(String.valueOf(object));

}else if(object instanceof JSONArray){

list.add(Json\_ESU.jsonArrayToList(jSONArray.getJSONArray(i)));

}

}

return list;

}

// 剔除个人著作权 申请范围

// public static Map<String, Object> xmlToMap(Gson gson, String string){

// return gson.fromJson(XML.toJSONObject(string).toString()

// , new TypeToken<Map<String, Object>>(){}.getType());

// }

public static Vector<Object> xmlToVector(String string, String key) {

JSONArray jSONArray= XML.toJSONObject(string).getJSONArray(key);

Vector<Object> vector= new Vector<>();

for(int i= 0; i< jSONArray.length(); i++){

Object object= jSONArray.get(i);

if(object instanceof JSONObject){

vector.add(new Gson().fromJson(jSONArray.getJSONObject(i).toString()

, new TypeToken<Map<String, Object>>(){}.getType()));

}else if(object instanceof String){

vector.add(String.valueOf(object));

}else if(object instanceof JSONArray){

vector.add(Json\_ESU.jsonArrayToList(jSONArray.getJSONArray(i)));

}

}

return vector;

}

public static Set<Object> xmlToSets(String string, String key) {

JSONArray jSONArray= XML.toJSONObject(string).getJSONArray(key);

Set<Object> sets= new TreeSet<>();

for(int i= 0; i< jSONArray.length(); i++){

Object object= jSONArray.get(i);

if(object instanceof JSONObject){

sets.add(new Gson().fromJson(jSONArray.getJSONObject(i).toString()

, new TypeToken<Map<String, Object>>(){}.getType()));

}else if(object instanceof String){

sets.add(String.valueOf(object));

}else if(object instanceof JSONArray){

sets.add(Json\_ESU.jsonArrayToList(jSONArray.getJSONArray(i)));

}

}

return sets;

}

public Hashtable<String, Object> xmlToHashtable(String xmlString, Gson gson){

JSONObject jSONObject= XML.toJSONObject(xmlString);

Hashtable<String, Object> hashTable= gson.fromJson(jSONObject.toString()

, (Type) new Hashtable<String, Object>());

return hashTable;

}

}

1. DNA元基索引版本

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关于核心算法雷达边缘路径计算思想

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PositionClasification, 分类类

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Fusion, 融类

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ImagePixClassification, 像素类

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Isolation, 观察类

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TracePositionHearts, 轨迹类

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TraceFissile\_AMV\_MVS\_VSQ\_ByHearts, 商旅类

第七章 类人DNA与神经元基于催化算子映射编码方式

1 DETA humanoid cognition

1.1DETAhumanoidcognitionhistory, 德塔类人认知历史

1.2DETAhumanoidcognitiondevelopment, 德塔类人认知研发

1.3 DETA humanoid cognition application, 德塔类人认知应用

2 DETA Business back end logic

2.1DETABusinessbackendlogichistory, 德塔商业后端逻辑历史

2.2DETABusinessbackendlogicdevelopment, 德塔商业后端逻辑发展

2.3DETABusinessbackendlogicapplication, 德塔商业后端逻辑应用

3 DETA Catalytic computing

3.1DETACatalyticcomputinghistory, 德塔催化计算历史

3.2DETACatalyticcomputingdevelopment, 德塔催化计算发展

3.3DETACatalyticcomputingapplication, 德塔催化计算应用

4 DETA Finding initions

4.1DETAFindinginitionshistory, 德塔催化计算算子单元寻找历史

4.2DETAFindinginitionsdevelopment, 德塔催化计算算子单元寻找发展

4.3DETAFindinginitionsapplication, 德塔催化计算算子单元寻找应用

5 DETA DNA decoding

5.1DETADNAdecodinghistory, 德塔催化单元的DNA解码历史

5.2DETADNAdecodingdevelopment, 德塔催化单元的DNA解码发展

5.3DETADNAdecodingapplication, 德塔催化单元的DNA解码应用

6 IDUC DNA and Its Applications, IDUC DNA与它的应用

7 IDUC VPCS AOPM 3D Nero Cell and Its Applications, 3维神经建模与应用

8 Refer

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1 DETA INITONS classify/德塔元基分类

2 DETA INITONS PDN words root/德塔元基分类词根

3 DETA INITONS PDN words/德塔元基分类词典

4 DETA TVM/德塔词典肽翻译虚拟机

5 DETA TVM applications/德塔肽翻译虚拟机应用技术

6 DETA TVM PDC/虚拟机应用优化

7 DETA TVM PDE/德塔肽翻译推导

8 DETA TVM PDC functions/德塔肽推导函数化

9 DETA TVM PDC function optimization and PDE/德塔肽推导函数逻辑优化

10 DETA TVM PDE Logic/德塔肽推导函数逻辑优化成肽展公式化

11 DETA TVM PDE and its application/德塔肽展公式应用论证技术

12 TVM humanoid life Research/应用在类人生命进化中

13 Eternal Research/应用在类人生命永生探索领域

14 Not the End/似乎刚刚开始…

15 Conclusion

16 Reference

17 Thanks

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1.推导与定义:甲基胞嘧啶在DNA编码和肽计算中具体定义为IDUQ-U变嘧啶

2.推导与定义:2氨基腺嘌呤在DNA编码和肽计算中具体定义为VECS-V变感腺嘌呤

3.推导与定义:次黄嘌呤在DNA编码和肽计算中具体定义为VECS-E尿变嘌呤

4.推导与定义:AOPM-A变胸腺苷, AOPM-O尿胞变腺苷, AOPM-P尿胞变鸟苷, AOPM-M鸟腺苷的S形螺旋 纹血氧峰触发器分子式催化计算严谨完整过程

5.推导与定义:VECS-VECS嘌呤对, VECS嘌呤弧, VECS-IDUQ碱基对, IDUQ-IDUQ嘧啶对的催化模型

6.推导与定义:次黄嘌呤, 尿变嘌呤VECS-E=IDUQ-U变嘧啶, 甲基胞嘧啶E=U全新DNA计算碱基对

7.推导与定义:2氨基腺嘌呤, 变感腺嘌呤VECS-V=IDUQ-I尿嘧啶V-I计算碱基对

8.推导与定义:碱基对Rotation观测与黄嘌呤在DNA编码和肽计算中具体定义为VECS-EC尿变鸟嘌呤

9.推导与定义:尿变鸟嘌呤, 黄嘌呤肽展计算AOPM-OP-T变感腺尿变苷与AOPM-OP-X变感腺鸟苷

10.归纳与定义:DNA与TX-H-U元基解码

11.推导与定义:DNA元基催化计算与ETL肽展神经网络计算流

12.似乎又没有结束, 后序与感谢

13.参考Refer

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P\_CO\_PL\_XA\_XCDX

P\_I\_CulumnsPL\_XA

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SortStringDemo

PL\_XA\_C

PL\_XA\_E

XA\_ShellQ\_JoinRows\_E

XA\_ShellTable

XA\_ShellTables

ShellJPanel

OSGI\_chansfer

OSI\_OSU\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI\_register

package OSI.OPE.SI.MCI.OEI.OVU.PQE.extOSGI;

import java.io.IOException;

import java.util.Map;

import javax.swing.JTextPane;

import ME.APM.VSQ.App;

import OCI.ME.analysis.C.A;

import OSI.OEU.OSU.MSQ.OSU.AVU.OSQ.fFT.FFTFilterNodeInterface;

import OSI.OEU.OSU.MSQ.OSU.AVU.OSQ.fft2DFilter.Ft2DFilterInterface;

import OSI.OEU.OSU.MSQ.OSU.AVU.OSQ.freqCount.FreqCountNodeInterface;

import OSI.OEU.OSU.MSQ.OSU.AVU.OSQ.guassianWav2DFilter.GuassianWav2DFilterNodeInterface;

import OSI.OEU.OSU.MSQ.OSU.AVU.OSQ.houghWavFilter.HoughWavFilterNodeInterface;

import OSI.OEU.OSU.MSQ.OSU.AVU.OSQ.laplacianFilter.LaplacianFilterNodeInterface;

import OSI.OEU.OSU.MSQ.OSU.AVU.OSQ.logFFT.LogFFTInterface;

import OSI.OEU.OSU.MSQ.OSU.AVU.OSQ.logFFTcount.LogFFTcountInterface;

import OSI.OEU.OSU.MSQ.OSU.AVU.OSQ.lygFilter.LygFilterNodeInterface;

import OSI.OEU.OSU.MSQ.OSU.AVU.OSQ.lygSlaveFilter.LygSlaveFilterInterface;

import OSI.OEU.OSU.MSQ.OSU.AVU.OSQ.maxMiniFilter.MaxMiniFilterNodeInterface;

import OSI.OEU.OSU.MSQ.OSU.AVU.OSQ.medianFilter.MedianFilterNodeInterface;

import OSI.OEU.OSU.MSQ.OSU.AVU.OSQ.wavRead.WavReadNodeInterface;

import OSI.OPE.OEQ.MCQ.OVU.PQE.osgi.\*;

import OSI.OSU.MSQ.ASU.OSU.PSU.MSU.AVQ.ASQ.OPE.xlsReaderNode.XlsReaderNodeInterface;

import OSI.OSU.PSI.OSU.MSQ.VQ.SQ.lygWrite.LYGWriteNodeInterface;

import OSI.OSU.PSU.OSU.MSQ.VQ.SQ.aviToLyg.AVItoLYGNodeInterface;

import OSI.OSU.PSU.OSU.MSQ.VQ.SQ.movieTransfer.MovieTransferNodeInterface;

import OSI.OSU.SI.ASQ.OSD.AVI.AEI.ACI.ASI.OVI.OEI.OCI.OSI.PVI.PEI.PCI.PSI.tinShell.AddTinShellNodeASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI;

import OSI.OSU.SI.OVI.OSI.AVI.AEI.ACI.ASI.OVI.OEI.OCI.OSI.PVI.PEI.PCI.PSI.addPGSearchPage.AddPGSearchPageNodeASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI;

//import OSI.OSU.SI.OVI.OSI.AVI.AEI.ACI.ASI.OVI.OEI.OCI.OSI.PVI.PEI.PCI.PSI.addZNSZPage.AddZNSZPageNodeASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI;

import OSI.OSU.VSQ.OSU.MSQ.VQ.SQ.lygPlayer.LYGPlayerNodeInterface;

import OSI.OSU.VSQ.OSU.MSQ.VQ.SQ.lygRead.LYGReadNodeInterface;

import OSI.OVI.OSU.MSQ.MV.SQ.imageRead.ImageReadNodeInterface;

import OSI.OVQ.OSU.MSQ.MV.SQ.findColorB.FindColorBInterface;

import OSI.OVQ.OSU.MSQ.MV.SQ.findColorG.FindColorGInterface;

import OSI.OVQ.OSU.MSQ.MV.SQ.findColorR.FindColorRInterface;

import OSI.OVQ.OSU.MSQ.MV.SQ.show3D.Show3DInterface;

import OSI.OVU.OSU.MSQ.MV.SQ.embossFilter.EmbossFilterInterface;

import OSI.OVU.OSU.MSQ.MV.SQ.grayFilter.GrayFilterNodeInterface;

import OSI.OVU.OSU.MSQ.MV.SQ.guassianFilter.GuassianFilterInterface;

import OSI.OVU.OSU.MSQ.MV.SQ.houghTransform.HoughTransformInterface;

import OSI.OVU.OSU.MSQ.MV.SQ.imageStrech.ImageStrechNodeInterface;

import OSI.OVU.OSU.MSQ.MV.SQ.laplacianFilter.LaplacianFilterInterface;

import OSI.OVU.OSU.MSQ.MV.SQ.medianImageFilter.MedianImageNodeInterface;

import OSI.OVU.OSU.MSQ.MV.SQ.morphologyFilter.MorphologyFilterInterface;

import OSI.OVU.OSU.MSQ.MV.SQ.sobelFilter.SobelFilterNodeInterface;

import OSI.OVU.OSU.MSQ.OSU.AVU.OSQ.butterworthFilter.ButterworthFilterNodeInterface;

import OSI.PEQ.OSU.MSQ.OSU.AVU.OSQ.wavePlay.WavePlayNodeInterface;

public class OSI\_OSU\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI\_register{

JTextPane text;

Object[][] tableData\_old;

public App u;

public A \_A;

public Map<String, String> pos;

public OSI\_OSU\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI\_register(Object[][] tableData\_old, JTextPane text, App u

, A \_A, Map<String, String> pos){

this.text= text;

this.tableData\_old= tableData\_old;

this.u= u;

this.\_A= \_A;

this.pos= pos;

}

public NodeOSGI Rigester(NodeOSGI first, LinkOSGI link) throws IOException{

//注册

OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI XlsReadernode = new XlsReaderNodeInterface();

first = link.addNode(first, XlsReadernode);

OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI imageReadNode = new ImageReadNodeInterface();

first = link.addNode(first, imageReadNode);

OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI imageStrechNode = new ImageStrechNodeInterface();

first = link.addNode(first, imageStrechNode);

//OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI arffTransferNode = new arffTransferNodeInterface();

//first = link.addNode(first, arffTransferNode);

//OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI WekaPilot2DNode = new WekaPilot2DNodeInterface();

//first = link.addNode(first, WekaPilot2DNode);

OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI MedianImageNode = new MedianImageNodeInterface();

first = link.addNode(first, MedianImageNode);

OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI GrayFilterNode = new GrayFilterNodeInterface();

first = link.addNode(first, GrayFilterNode);

OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI GuassianFilterNode = new GuassianFilterInterface();

first = link.addNode(first, GuassianFilterNode);

OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI FindColorRNode = new FindColorRInterface();

first = link.addNode(first, FindColorRNode);

OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI FindColorGNode = new FindColorGInterface();

first = link.addNode(first, FindColorGNode);

OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI FindColorBNode = new FindColorBInterface();

first = link.addNode(first, FindColorBNode);

OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI SobelFilterNode = new SobelFilterNodeInterface();

first = link.addNode(first, SobelFilterNode);

OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI EmbossFilterNode = new EmbossFilterInterface();

first = link.addNode(first, EmbossFilterNode);

OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI LaplacianFilterNode = new LaplacianFilterInterface();

first = link.addNode(first, LaplacianFilterNode);

OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI HoughTransformNode = new HoughTransformInterface();

first = link.addNode(first, HoughTransformNode);

OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI WavReadNode = new WavReadNodeInterface();

first = link.addNode(first, WavReadNode);

OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI MedianFilterNode = new MedianFilterNodeInterface();

first = link.addNode(first, MedianFilterNode);

OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI ButterworthFilterNode = new ButterworthFilterNodeInterface();

first = link.addNode(first, ButterworthFilterNode);

OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI LaplacianWaveFilterNode = new LaplacianFilterNodeInterface();

first = link.addNode(first, LaplacianWaveFilterNode);

OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI HoughWavFilterNode = new HoughWavFilterNodeInterface();

first = link.addNode(first, HoughWavFilterNode);

OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI GuassianWav2DFilterNode = new GuassianWav2DFilterNodeInterface();

first = link.addNode(first, GuassianWav2DFilterNode);

OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI MaxMiniFilterNode = new MaxMiniFilterNodeInterface();

first = link.addNode(first, MaxMiniFilterNode);

OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI wavePlayNode = new WavePlayNodeInterface();

first = link.addNode(first, wavePlayNode);

OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI Show3DNode = new Show3DInterface();

first = link.addNode(first, Show3DNode);

OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI MorphologyFilter = new MorphologyFilterInterface();

first = link.addNode(first, MorphologyFilter);

OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI LYGReadNode = new LYGReadNodeInterface();

first = link.addNode(first, LYGReadNode);

OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI LYGWriteNode = new LYGWriteNodeInterface();

first = link.addNode(first, LYGWriteNode);

OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI MovieTransferNode = new MovieTransferNodeInterface();

first = link.addNode(first, MovieTransferNode);

OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI AVItoImagesNode = new AVItoLYGNodeInterface();

first = link.addNode(first, AVItoImagesNode);

OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI LYGPlayerNode = new LYGPlayerNodeInterface();

first = link.addNode(first, LYGPlayerNode);

OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI FFTFilterNode = new FFTFilterNodeInterface();

first = link.addNode(first, FFTFilterNode);

OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI freqCountNode = new FreqCountNodeInterface();

first = link.addNode(first, freqCountNode);

OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI lygFilterNode = new LygFilterNodeInterface();

first = link.addNode(first, lygFilterNode);

OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI lygFilterComp = new Ft2DFilterInterface();

first = link.addNode(first, lygFilterComp);

OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI lygSlave = new LygSlaveFilterInterface();

first = link.addNode(first, lygSlave);

OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI logFFT = new LogFFTInterface();

first = link.addNode(first, logFFT);

OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI logFFTcount = new LogFFTcountInterface();

first = link.addNode(first, logFFTcount);

//OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI dNA3DShow = new dNA3DShowNodeASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI();

//first = link.addNode(first, dNA3DShow);

//

//医学图片页添加

OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI searchPG = new AddPGSearchPageNodeASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI();

searchPG.pageName= "图片搜索";

//first = link.addNode(first, searchPG);

OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI

= (OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI) searchPG;

u.gUISample.nodeReflection.put(OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_SQ\_VPC\_PCS, null);

OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI.register(u.gUISample.tableData\_old, u.gUISample.text

, u.gUISample.u, u.gUISample.\_A, u.gUISample.pos);

try {

OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI.IMP\_PSU();

} catch (IOException e1) {

e1.printStackTrace();

}

//u.gUISample.nodeView.first= u.gUISample.nodeView.link.addNode(u.gUISample.nodeView.first

// , OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI);

first= link.addNode(first, OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI);

u.searchList.add(searchPG);

//add extp//////

////声诊断,该接口已经2年停止开源研发。

//OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI soundCheck = new AddZNSZPageNodeASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI();

//soundCheck.pageName= "智能声诊";

////first = link.addNode(first, searchPG);

//OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI oSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI

//= (OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI) soundCheck;

//u.gUISample.nodeReflection.put(oSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_SQ\_VPC\_PCS, null);

//oSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI.register(u.gUISample.tableData\_old, u.gUISample.text

// , u.gUISample.u, u.gUISample.\_A, u.gUISample.pos);

//try {

// oSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI.IMP\_PSU();

//} catch (IOException e1) {

// e1.printStackTrace();

//}

////u.gUISample.nodeView.first= u.gUISample.nodeView.link.addNode(u.gUISample.nodeView.first

//// , OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI);

//first= link.addNode(first, oSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI);

//u.searchList.add(soundCheck);

OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI tinShell = new AddTinShellNodeASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI();

tinShell.pageName= "Tin语言";

//first = link.addNode(first, searchPG);

OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI oSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI

= (OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI) tinShell;

u.gUISample.nodeReflection.put(oSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI.SQ\_OSU\_MSQ\_OSU\_AVQ\_ASQ\_SQ\_VPC\_PCS, null);

oSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI.register(u.gUISample.tableData\_old, u.gUISample.text

, u.gUISample.u, u.gUISample.\_A, u.gUISample.pos);

try {

oSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI.IMP\_PSU();

} catch (IOException e1) {

e1.printStackTrace();

}

//u.gUISample.nodeView.first= u.gUISample.nodeView.link.addNode(u.gUISample.nodeView.first

// , OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI);

first= link.addNode(first, oSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI);

u.searchList.add(tinShell);

//ddPGSearchPageNodeASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI

////////////////

//OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI editPanelReader = new EditPanelReaderNodeInterface(this.text);

//first = link.addNode(first, editPanelReader);

//

//OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI editPanelReaderH= new EditPanelReaderHNodeInterface(this.text);

//first = link.addNode(first, editPanelReaderH);

//

//OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI addChuFangAttributeH= new AddChuFangAttributeHNodeInterface(this.tableData\_old

// , this.text);

//first = link.addNode(first,addChuFangAttributeH);

//

//OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI filterChuFangJinJiAttributeH=

// new filterChuFangJinJiAttributeHNodeInterface(this.tableData\_old, this.text);

//first = link.addNode(first, filterChuFangJinJiAttributeH);

//

//OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI chuFangWuXingShowHInterface=

// new ChuFangWuXingShowHNodeInterface(this.tableData\_old, this.text);

//first = link.addNode(first,chuFangWuXingShowHInterface);

////扫描jar、、添加jar

//OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI filterChuFangXingWeiKeyWordsAttributeH=

// new filterChuFangXingWeiKeyWordsAttributeHNodeInterface(this.tableData\_old, this.text);

//first = link.addNode(first, filterChuFangXingWeiKeyWordsAttributeH);

//

//OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI filterChuFangJinJiKeyWordsAttributeH=

// new filterChuFangJinJiKeyWordsAttributeHNodeInterface(this.tableData\_old, this.text);

//first = link.addNode(first, filterChuFangJinJiKeyWordsAttributeH);

//

//OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI updateToEditPane=

// new updateToEditPaneNodeInterface(this.tableData\_old, this.text);

//first = link.addNode(first, updateToEditPane);

//

//OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI readNodeInterface=

// new ReadNodeInterface(this.tableData\_old, this.text);

//first = link.addNode(first, readNodeInterface);

//OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI DNN3DInterface=

// new ChuFangDNN3DShowNodeInterface(this.tableData\_old, this.text, this.u, this.\_A, this.pos);

//first = link.addNode(first, DNN3DInterface);

//try {

// //1扫描

// //1.1设计一个文件夹

// //扫描文件夹下面资源包录入

// String jarCategoryLink= "";

// FileDialog filedialog= new FileDialog(new Frame(), StableData.ATTENSION\_LOAD\_HISTORY

// , FileDialog.LOAD);

// filedialog.setFilenameFilter(new TXTFilter(StableData.FILE\_FORMAT\_ETL));

// filedialog.setVisible(true);

// jarCategoryLink= filedialog.getDirectory();

// //System.out.println(jarCategoryLink);

// if(null== jarCategoryLink|| jarCategoryLink.isEmpty()|| jarCategoryLink.contains

// (StableData.FILE\_FORMAT\_JAR)) {

// System.out.println(StableData.ATTENSION\_RECHOICE);

// return first;

// }

// File file= new File(jarCategoryLink);

// if(file.isFile()) {

// System.out.println(StableData.ATTENSION\_FILE\_CHOICE);

// return first;

// }

// File[] files= file.listFiles();

// for(int i= 0; i< files.length; i++) {

// @SuppressWarnings({ "deprecation", "resource" })

// URLClassLoader loader= new URLClassLoader(new URL[]{ files[i].toURL() });

// String filename= files[i].getName().replace(StableData.FILE\_FORMAT\_JAR, StableData.STRING\_EMPTY);

// String[] columns= filename.split("\\.");

// //如下注释2行代码 refer https://www.cnblogs.com/chinaxin/p/3678442.html 这小伙子以后有前途。哈哈

// //Class<?> myclass = loader.loadClass("hand.java.loadjar.TestClass");

// //Gene new object

// //Object myobject = myclass.newInstance();

// Class<?> myclass = null;

// try {

// myclass = loader.loadClass(filename+ "."+ columns[columns.length- 1]

//+ StableData.NODE\_NODE\_INTERFACE);

// } catch (ClassNotFoundException e) {

// // TODO Auto-generated catch block

// e.printStackTrace();

// }

// Object myobject = null;

// try {

// myobject = myclass.newInstance();

// } catch (InstantiationException | IllegalAccessException e) {

// // TODO Auto-generated catch block

// e.printStackTrace();

// }

// //我准备之后设计成病毒式热插拔，因为绕过虚拟机的思想涉及情报学特工和计算机病毒领域

// //，害怕国家相关安全体系管控，暂时不研发。

// OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI= (OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI) myobject;

// first= link.addNode(first, OSU\_AVQ\_ASQ\_ASQ\_OCQ\_OSI\_PCI\_PCU\_MCI\_MCU\_MSI);

// }

//}catch(Exception e) {

//

//}

return first;

}

}

I\_TinShellRun

TinMap

App\_CM

LYG10DWCMSSort15D\_XCDX\_C\_U\_A

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