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[StaticFunctionMapA\_IDUQ\_E 287](#_Toc12433)

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[StaticFunctionMapM\_VECS\_E 287](#_Toc32682)

[StaticFunctionMapM\_IDUQ\_E 287](#_Toc10994)

[StaticFunctionMapV\_AOPM\_C 287](#_Toc14559)

[StaticFunctionMapV\_IDUQ\_C 287](#_Toc26619)

[StaticFunctionMapE\_AOPM\_C 287](#_Toc30575)

[StaticFunctionMapE\_IDUQ\_C 287](#_Toc15469)

[StaticFunctionMapC\_AOPM\_C 287](#_Toc30288)

[StaticFunctionMapC\_IDUQ\_C 287](#_Toc23817)

[StaticFunctionMapS\_AOPM\_C 287](#_Toc22670)

[StaticFunctionMapS\_IDUQ\_C 287](#_Toc27486)

[StaticFunctionMapV\_AOPM\_E 287](#_Toc30976)

[StaticFunctionMapV\_IDUQ\_E 287](#_Toc15193)

[StaticFunctionMapE\_AOPM\_E 287](#_Toc14914)

[StaticFunctionMapE\_IDUQ\_E 287](#_Toc17815)

[StaticFunctionMapC\_AOPM\_E 287](#_Toc25349)

[StaticFunctionMapC\_IDUQ\_E 287](#_Toc26664)

[StaticFunctionMapS\_AOPM\_E 287](#_Toc13417)

[StaticFunctionMapS\_IDUQ\_E 287](#_Toc8405)

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[StaticFunctionMapI\_AOPM\_C 287](#_Toc4494)

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[StaticFunctionMapD\_AOPM\_C 287](#_Toc6272)

[StaticFunctionMapU\_VECS\_C 287](#_Toc9514)

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[StaticFunctionMapQ\_AOPM\_C 287](#_Toc25906)

[StaticFunctionMapI\_VECS\_E 287](#_Toc4385)

[StaticFunctionMapI\_AOPM\_E 288](#_Toc30413)

[StaticFunctionMapD\_VECS\_E 288](#_Toc32335)

[StaticFunctionMapD\_AOPM\_E 288](#_Toc8039)

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[DNA元基催化与肽计算解码 288](#_Toc21632)

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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。

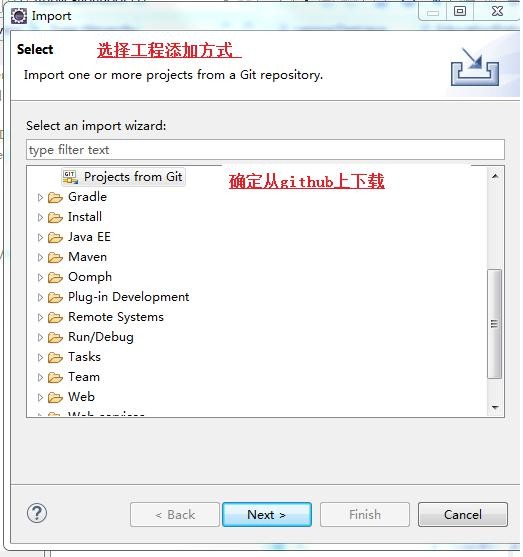
简介

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)

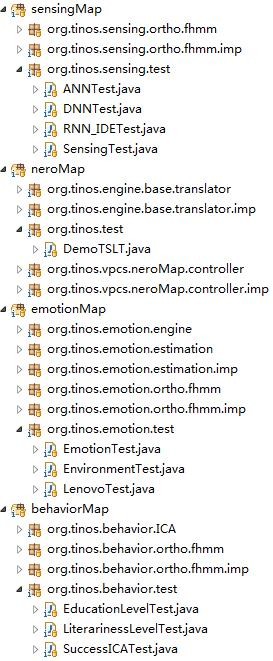
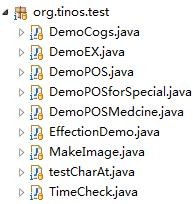


4输入 Git 导入目标地址 (git 是版本持续化控制软件, repository 是 git 工程的下载标识, host 是远程 主机, repository path 是 git 工程 在主机上下载链接, protocol 是是通信协议, port 是端口, authentication 是密钥, user 是帐户名, password 是密码, store in secure store 是记录保存)



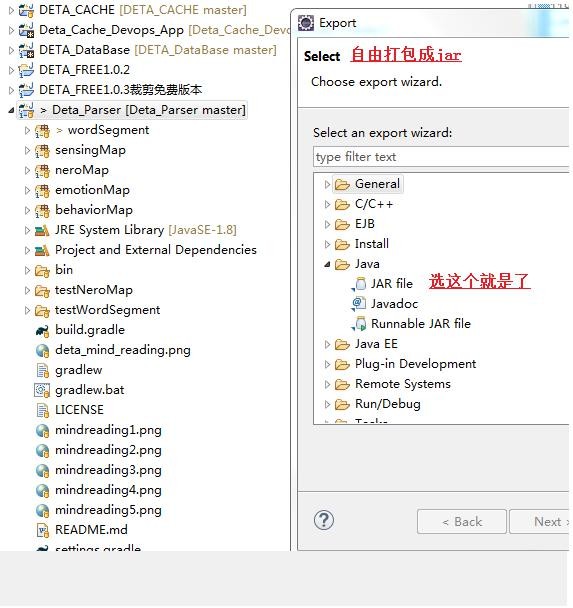
5生成 eclipse 工程 因为是无插件底层源码, 所以可以自由集成为pom, gradle, web,或者general 工程模式. (POM 是xml 形式的库标识 标识, gradle 是 模板形式, web 是web 2.0 动态java 工程, general 是普通java 工程 )

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.)



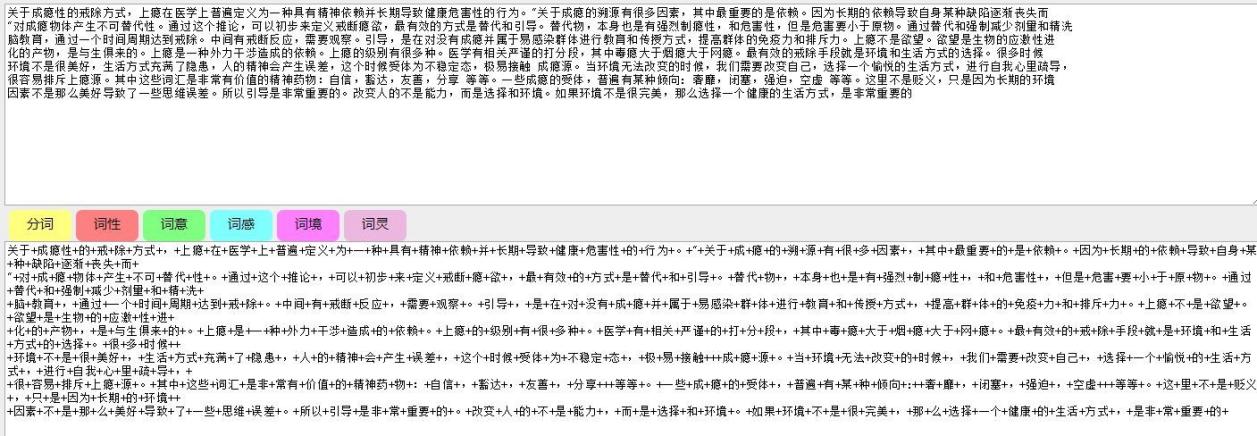
7 网页 例子:<http://tinos.qicp.vip/data.html>

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

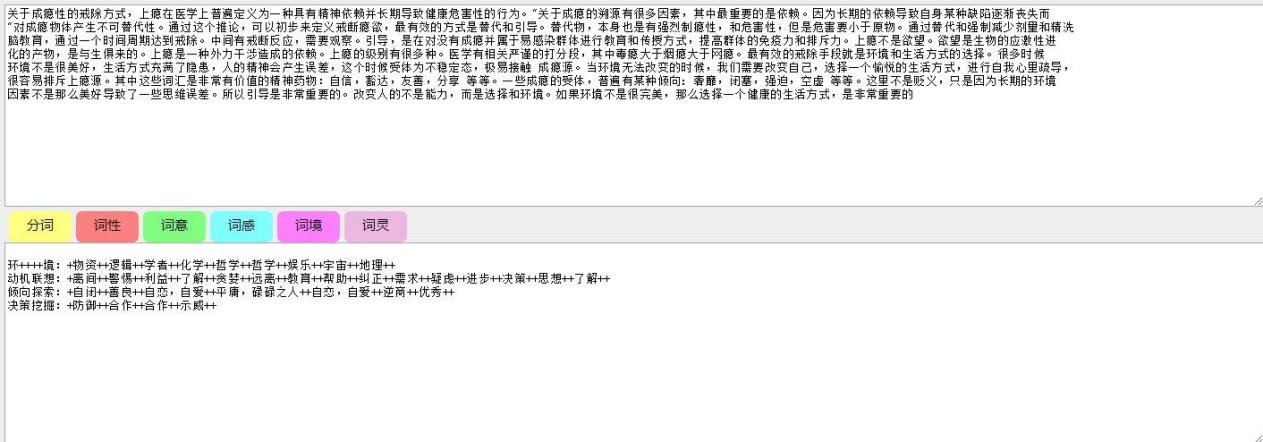
1 最新：每秒 1650 万中文快速分词:



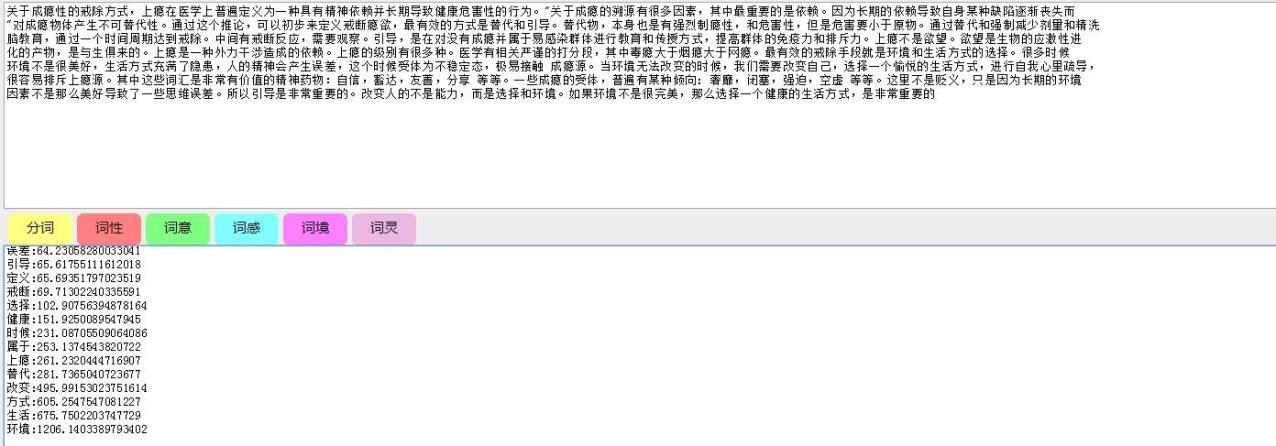
2 每秒 900 万中文词性标注



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

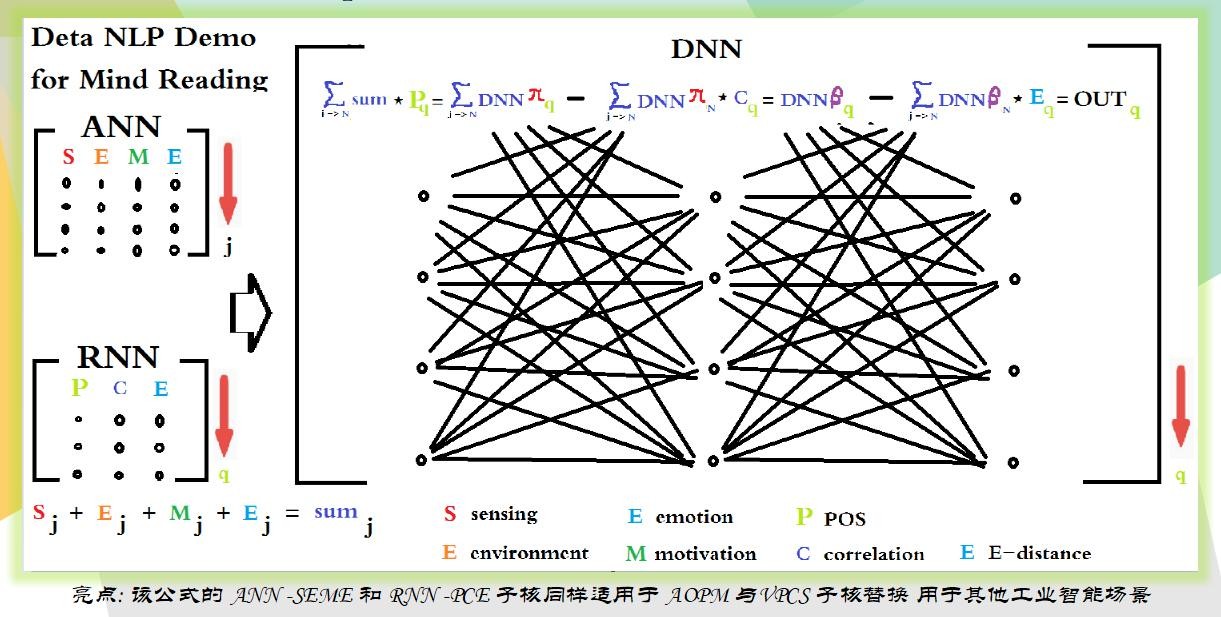
Java 编辑器.Jdk8+. Java 虚拟机运行环境. Junit测试包. 一台连网的电脑.

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。

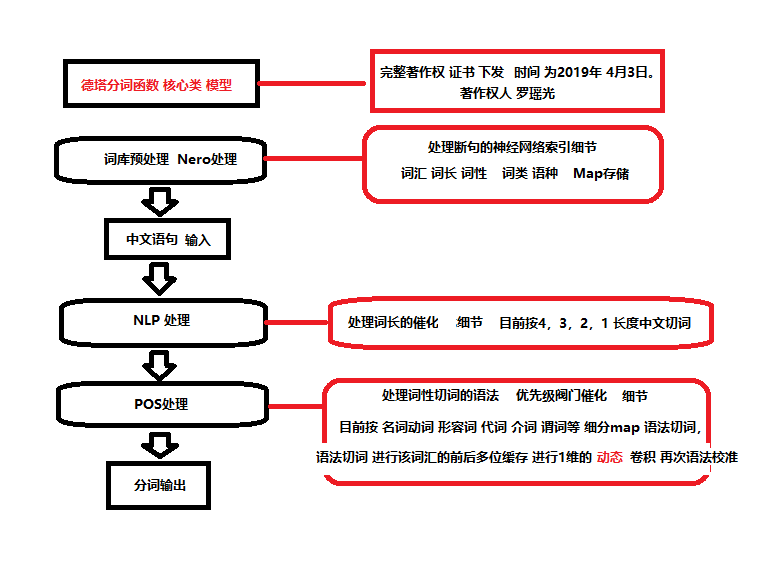
有了 ANN 的最终数据集合 和 RNN 的卷积核，我们就可以做 CNN 轮询了 DETA 的 DNN 计算定义就是基于德塔的Ann 矩阵数据得到最终1 维数列比，然后进行德塔的RNN 内核做 卷积处理 的3 层深度前序累增积分概率比CNN 轮循运算。（为了追求更高的质量和精度，小伙伴可以自由改写我的作品思想源码，增加更多的维度皆可。永久开源，别担心著作权问题，以后赠予对象如有进行出版社出版，相关文字和内容的引用就要注意了。当前采用开源协议为GPL2.0协议，之前为APACHE2.0协议）

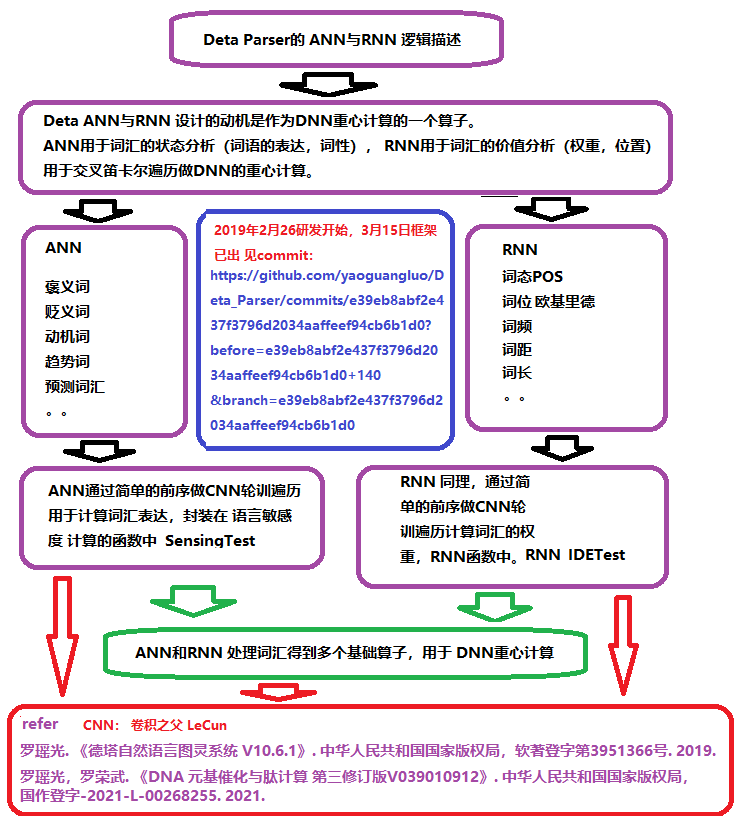
上面介绍的是 ANN，RNN, CNN 关于公式, 环境，原理和初始过程，关于 DETA DNN 的计算算法在图片中已经列出来了。

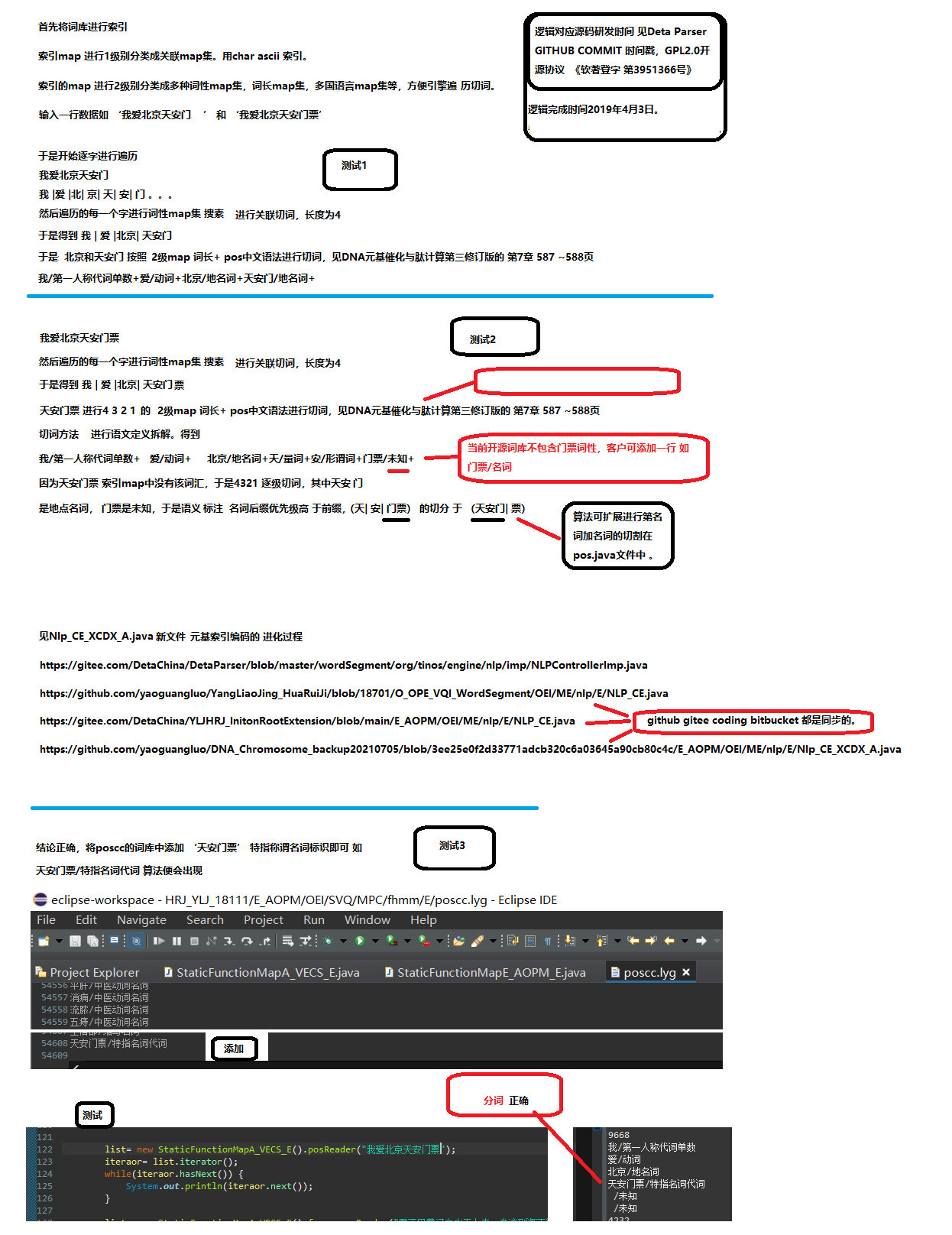
这个算法的相关实现代码的核心部分地址如下：

<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};

}

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

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}

};

}

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

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。

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).

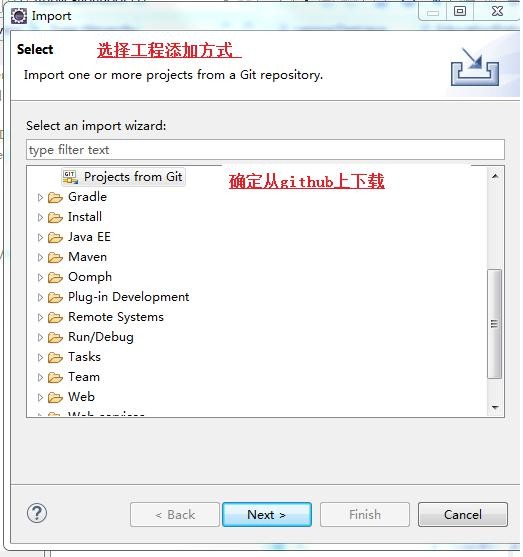
使用方法

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 )



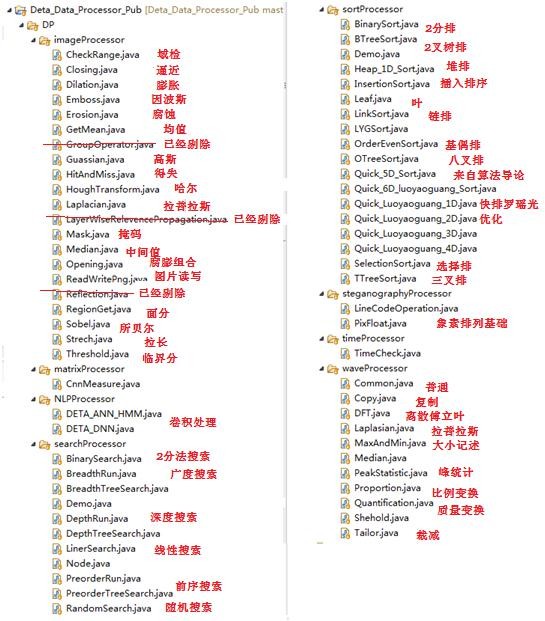
3 点 URI (uri 是互联网传输的一种协议规范关键字)



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

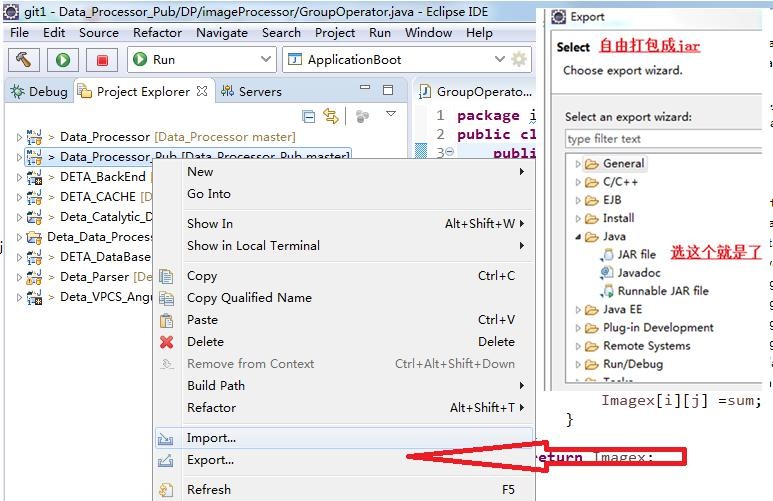


6 可 下 载 的 免 费 软 件 和 图 片 例 子 集 合 : https://github.com/yaoguangluo/Deta\_Data\_Processor\_Pub Github 非 个 软 申 请 版 本 :<https://github.com/yaoguangluo/Deta_Medicine><https://github.com/yaoguangluo/Data_Processor>

国内:

https://gitee.com/DetaChina/Data\_Processor

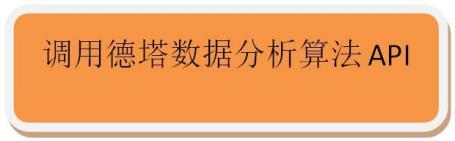
7 可以任意 打包 jar 作为商业 库销售和集成.( jar 是 java 的库的意思 , 可运行,可扩展, 可集成, export 是 打包输出的意思)



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

}

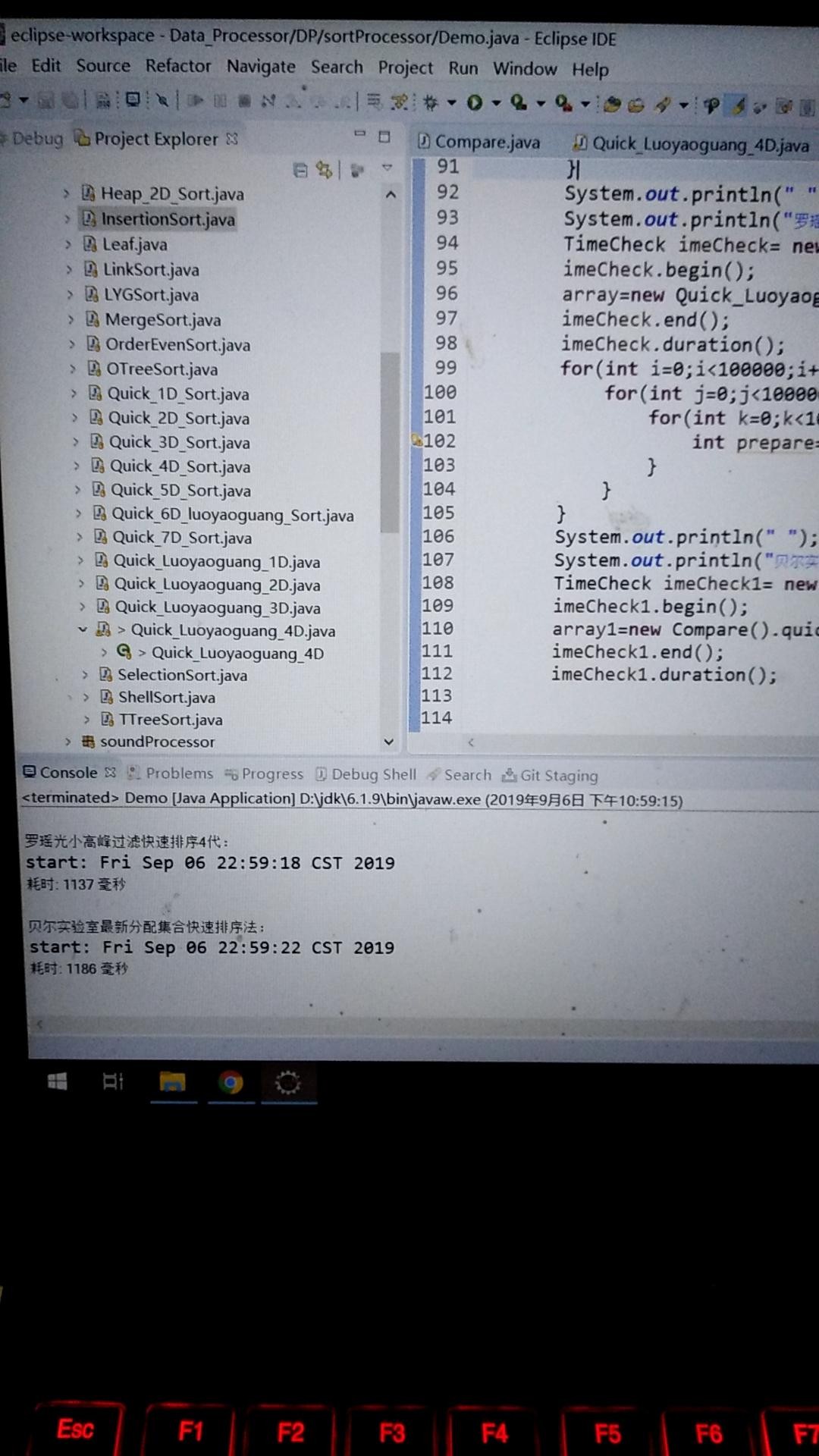
我思考了很久，在同频算子减少的方向中，直接减少 temp 的 swap 变量是一种先进的思想。但是利弊交错，我进行了和我的 4 代小高峰过滤快排做了详细对比：

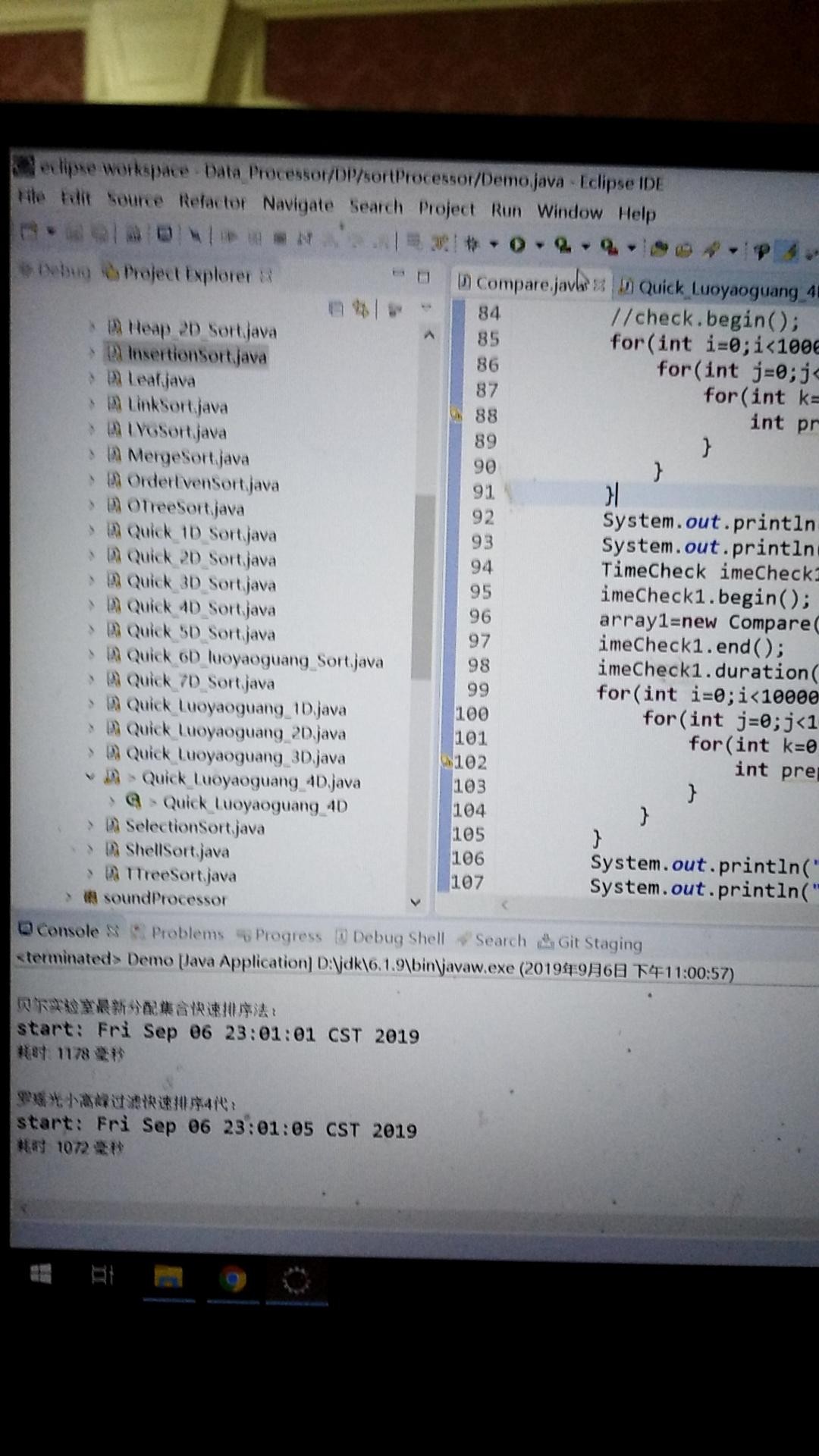
|  |  |  |
| --- | --- | --- |
| 1000 万数列排序 | 瑶光高峰过滤 | xingrong 中轴分配 |
| 算子减少 | 有 | 有 |
| 条件减少 | 有 | 有 |
| 离散效率 | 高 | 中 |
| 条件过滤 | 有 | 无 |
| 高频降解 | 无 | 有 |
| 计算性能 | 高 | 高 |
| 代码缩进 | 有 | 有 |
| 平均高峰先排耗时 | 1137 毫秒 | 1186 毫秒 |
| 平均分配先排耗时 | 1072 毫秒 | 1178 毫秒 |

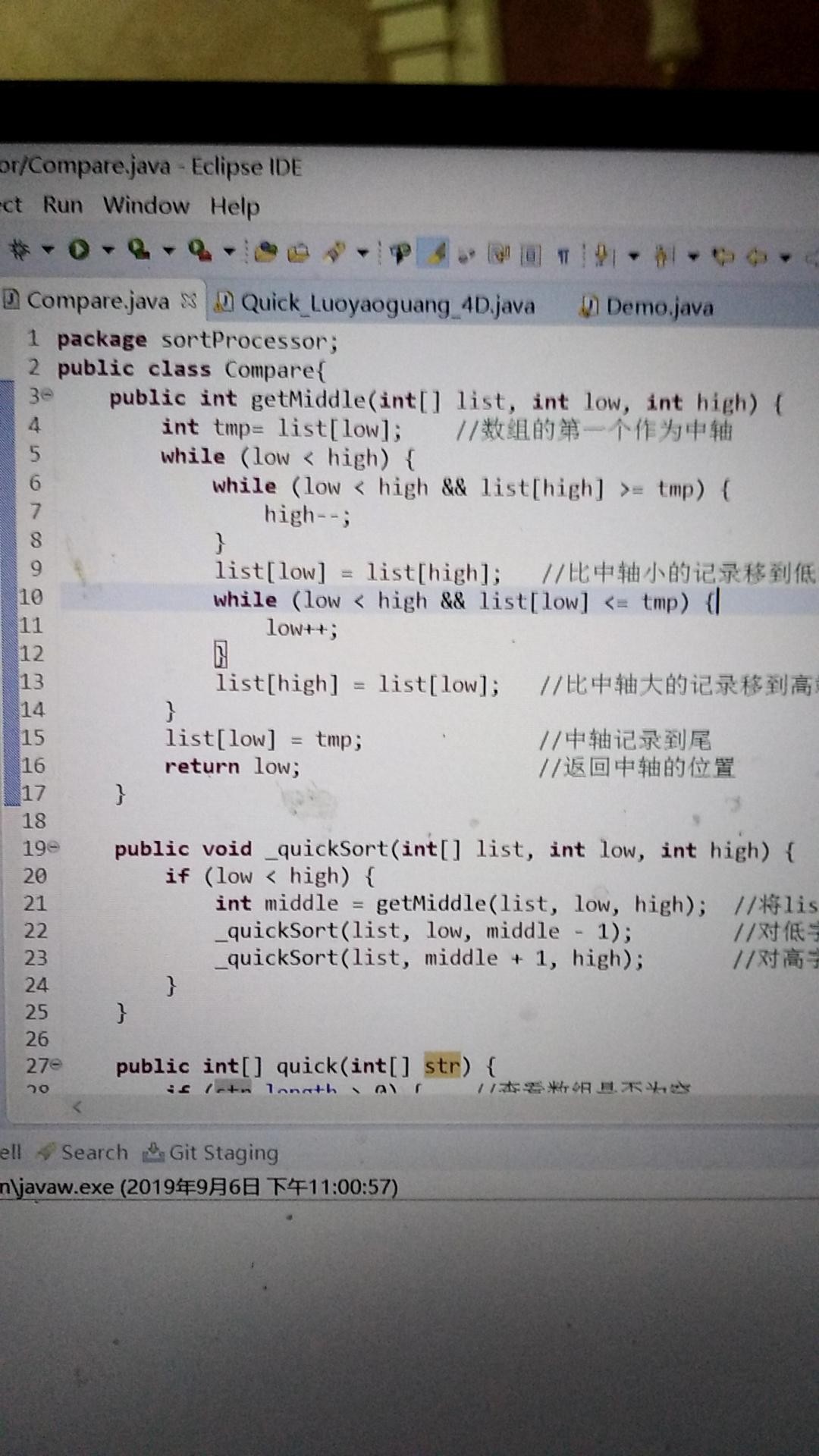
注解：这里的函数效率是指单个函数运行的计算消耗，包括堆栈消耗，内存阻塞，计算耗时等因素。 计算性能指的是数组的最大长度，单位消耗的时间，内存大小。

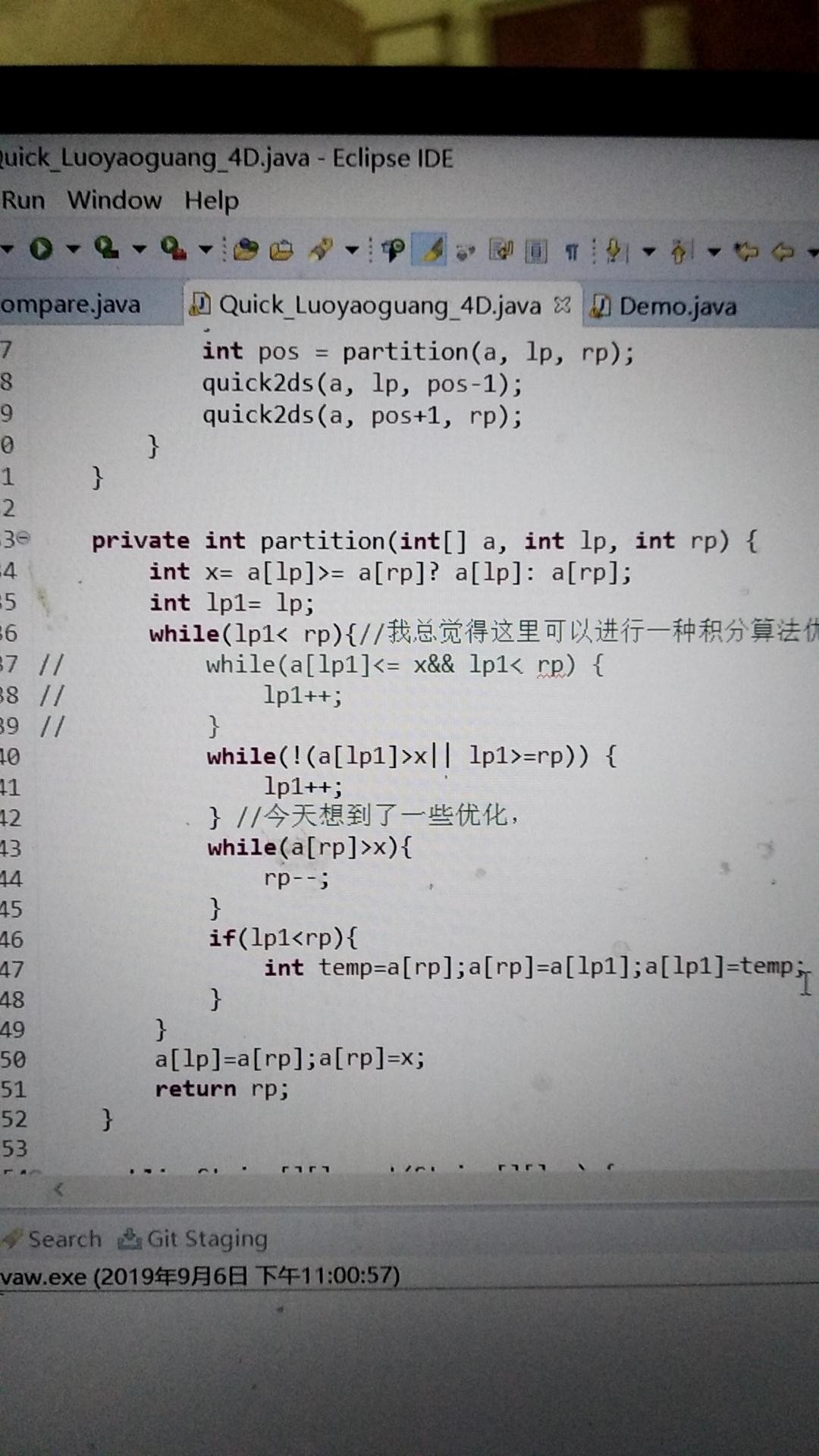
比较可以发现，因为递归的小高峰的存在，中轴心分配所需要的位移变换成为了必要执行功能，增大了开销， 这种开销可以最大限度的达到 balanced 递归逻辑的层数，但是对于指数方的多维算子条件缺少了过滤层，所以，性能耗损大。这种排序思想是完美的，为追求完美，丢失了一些东西，比较可惜。但是这种思想需要进行解析，在很多算法应用领域有宝贵的价值。

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：

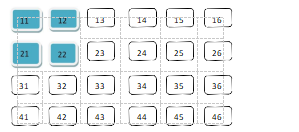
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 11 | 12 | 13 | 14 | 15 | 16 |
| 21 | 22 | 23 | 24 | 25 | 26 |
| 31 | 32 | 33 | 34 | 35 | 36 |
| 41 | 42 | 43 | 44 | 45 | 46 |

2给一个卷积核算子如下：





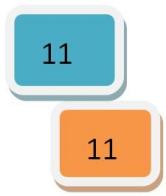
3卷积处理方式：通过蓝色部分和橙色部分进行相应的内核计算操作，进行局部卷积微积分处理数据矩阵。



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

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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.

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**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 一台连网的电脑.

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];

}

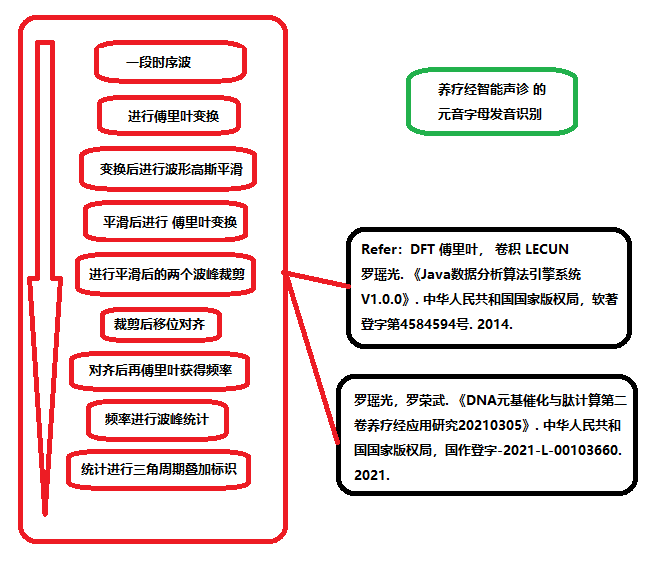
}

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



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