数据结构大作业

	Binomial heap				AA tree				AVL tree				Double-ended queue				组队1										组队2								组队3								总结报告								Binomial heap		AA tree		AVL tree		Double-ended queue		组队1		组队2		组队2					
	初测		复测		初测		复测		初测		复测		初测		复测		工作量	工作量	框架设计	框架设计	理解程度	理解程度	推迟天数	助教1	助教2	助教3	推迟天数	项目链接	工作量	框架设计	理解程度	助教1	助教2	助教3	推迟天数	项目链接	工作量	工作量	框架设计	框架设计	理解程度	理解程度	推迟天数	助教1	助教2	助教3	推迟天数	助教1	助教2	助教3	助教4	基础成绩（暂定）		提供数据	可持久化	提供数据	可持久化	提供数据	可持久化	提供数据	可持久化	助教1	助教2	助教1	助教2	助教1	助教2	授课	复习指南	附加成绩（暂定）	最终成绩（暂定）
	基础数据	进阶数据	基础数据	进阶数据	基础数据	进阶数据	基础数据	进阶数据	基础数据	进阶数据	基础数据	进阶数据	基础数据	进阶数据	基础数据	进阶数据	助教1	助教2	助教1	助教2	助教1	助教2																																																				
	1.60%	1.60%	2.40%	2.40%	2.00%	2.00%	3.00%	3.00%	2.40%	2.40%	3.60%	3.60%	2.80%	2.80%	4.20%	4.20%	4.00%	4.00%	1.00%	1.00%	1.00%	1.00%	-1.20%	1.00%	1.00%	1.00%	-0.30%		8.00%	2.00%	2.00%	1.00%	1.00%	1.00%	-0.30%		4.00%	4.00%	1.00%	1.00%	1.00%	1.00%	-1.20%	1.00%	1.00%	1.00%	-0.30%	2.50%	2.50%	2.50%	2.50%			2.50%	5.00%	2.50%	5.00%	2.50%	5.00%	2.50%	5.00%	25.00%	25.00%	25.00%	25.00%	25.00%	25.00%	5.00%	5.00%		
截止日期	4/2 20:00		4/3 20:00		4/17 20:00		4/18 20:00		4/29 20:00		4/30 20:00		5/17 20:00		5/18 20:00		4/10 20:00							4/5 20:00				4/27 20:00				4/22 20:00				5/30 20:00								5/31 20:00				TBD						4/3 20:00	4/5 20:00	4/16 20:00	4/19 20:00	4/28 20:00	5/3 20:00	5/16 20:00	5/17 20:00	4/10 20:00		4/27 20:00		5/18 20:00					
谭博文	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	80.00%	80.00%	80.00%	80.00%	80.00%	80.00%	0.00	85.00%	80.00%	85.00%	0.00	https://github.com/PrayStar.Jirachi/AAATree	100.00%	100.00%	100.00%	80.00%	75.00%	83.00%	0.00	https://github.com/PrayStar.Jirachi/Finger-Tree													**70.48%**	**18.30**	0.00	0.00	0.00	0.00	0.00	**1.00**	0.00	0.00	20.00%	30.00%	0.00%	0.00%			1.00	0.00	**22.50%**	**2.11**	**20.41**
林伟鸿	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	80.00%	80.00%	80.00%	80.00%	80.00%	80.00%	0.00	85.00%	80.00%	85.00%	0.00	https://github.com/PrayStar.Jirachi/AAATree	100.00%	100.00%	100.00%	80.00%	75.00%	83.00%	0.00	https://github.com/PrayStar.Jirachi/Finger-Tree													**70.48%**	**18.30**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	**1.00**	20.00%	30.00%	0.00%	0.00%			**2.00**	0.00	**35.00%**	**3.28**	**21.59**
杨嘉成	100.00%	100.00%	100.00%	100.00%	**0.00%**	**0.00%**	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	85.00%	85.00%	**90.00%**	**90.00%**	80.00%	80.00%	0.00	85.00%	80.00%	85.00%	0.00	https://github.com/PrayStar.Jirachi/AAATree	100.00%	100.00%	100.00%	80.00%	75.00%	83.00%	0.00	https://github.com/PrayStar.Jirachi/Finger-Tree													**67.08%**	**17.42**	**1.00**	0.00	**1.00**	**1.00**	0.00	**1.00**	**2.00**	0.00	20.00%	30.00%	0.00%	0.00%			1.00	0.00	**37.50%**	**3.52**	**20.94**
孙闻达	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	80.00%	84.00%	82.00%	83.00%	85.00%	80.00%	0.00	85.00%	**70.00%**	85.00%	0.00	https://github.com/Akigeor/Y-Fast-Trie	100.00%	100.00%	**95.00%**	80.00%	87.00%	0.00%	0.00%	https://github.com/Akigeor/Rank-pairing-Heap													**70.88%**	**18.41**	**1.00**	0.00	0.00	**1.00**	0.00	0.00	0.00	0.00	0.00%	**-15.00%**	10.00%	10.00%			1.00	0.00	**13.75%**	**1.29**	**19.70**
徐墙天	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	80.00%	82.00%	80.00%	80.00%	85.00%	80.00%	0.00	85.00%	**70.00%**	85.00%	0.00	https://github.com/Akigeor/Y-Fast-Trie	100.00%	100.00%	**95.00%**	80.00%	87.00%	0.00%	0.00%	https://github.com/Akigeor/Rank-pairing-Heap													**70.75%**	**18.37**	**1.00**	0.00	**1.00**	**1.00**	0.00	0.00	0.00	0.00	0.00%	**-15.00%**	10.00%	10.00%			1.00	0.00	**18.75%**	**1.76**	**20.13**
方博慧	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	80.00%	80.00%	80.00%	80.00%	85.00%	80.00%	0.00	85.00%	**70.00%**	85.00%	0.00	https://github.com/Akigeor/Y-Fast-Trie	100.00%	100.00%	**95.00%**	80.00%	87.00%	0.00%	0.00%	https://github.com/Akigeor/Rank-pairing-Heap													**70.67%**	**18.35**	0.00	0.00	**1.00**	**1.00**	0.00	0.00	0.00	0.00	0.00%	**-15.00%**	10.00%	10.00%			**2.00**	0.00	**21.25%**	**1.99**	**20.35**
杨卓林	100.00%	**50.00%**	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	80.00%	80.00%	80.00%	80.00%	85.00%	**90.00%**	**90.00%**	0.00	75.00%	78.00%	0.00	https://github.com/xq1997/AAA-Tree	100.00%	100.00%	100.00%	80.00%	75.00%	78.00%	0.00	https://github.com/xq1997/Graph-Coloring													**69.78%**	**18.12**	0.00	0.00	**1.00**	**1.00**	0.00	**1.00**	**1.00**	0.00	**50.00%**	**-60.00%**	0.00%	0.00%			1.00	0.00	**42.50%**	**3.99**	**22.11**
曾凡高	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	80.00%	80.00%	80.00%	80.00%	85.00%	**90.00%**	**90.00%**	0.00	75.00%	78.00%	0.00	https://github.com/xq1997/AAA-Tree	100.00%	100.00%	100.00%	80.00%	75.00%	78.00%	0.00	https://github.com/xq1997/Graph-Coloring													**70.58%**	**18.33**	0.00	0.00	**1.00**	**1.00**	0.00	**1.00**	**1.00**	0.00	**50.00%**	**-60.00%**	0.00%	0.00%			1.00	0.00	**42.50%**	**3.99**	**22.32**
许肆佳	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	80.00%	80.00%	80.00%	80.00%	85.00%	**90.00%**	**90.00%**	0.00	75.00%	78.00%	0.00	https://github.com/xq1997/AAA-Tree	100.00%	100.00%	100.00%	80.00%	75.00%	78.00%	0.00	https://github.com/xq1997/Graph-Coloring													**70.58%**	**18.33**	**1.00**	**1.00**	**0.50**	**1.00**	**1.00**	**1.00**	**1.00**	0.00	**50.00%**	**-60.00%**	0.00%	0.00%			1.00	0.00	**53.75%**	**5.04**	**23.37**
张嘉恺	100.00%	100.00%	100.00%	100.00%	100.00%	**66.67%**	100.00%	**96.67%**	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	80.00%	75.00%	80.00%	80.00%	80.00%	80.00%	0.00	85.00%	75.00%	85.00%	0.00	https://github.com/Crystalrem/AAA-Tree	**40.00%**	100.00%	100.00%	80.00%	80.00%	75.00%	0.00	https://github.com/Crystalrem/Link-Cut-Cactus													**64.63%**	**16.79**	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.00%	20.00%	**-10.00%**	**-10.00%**			**1.50**	0.00	**10.00%**	**0.94**	**17.72**
徐晓旋	100.00%	**0.00%**	100.00%	100.00%	**0.00%**	**0.00%**	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	80.00%	77.00%	80.00%	80.00%	80.00%	80.00%	0.00	85.00%	75.00%	85.00%	0.00	https://github.com/Crystalrem/AAA-Tree	100.00%	100.00%	100.00%	80.00%	80.00%	75.00%	0.00	https://github.com/Crystalrem/Link-Cut-Cactus													**64.68%**	**16.80**	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.00%	20.00%	**-10.00%**	**-10.00%**			1.00	0.00	**7.50%**	**0.70**	**17.50**
苏雅晴	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	85.00%	80.00%	80.00%	80.00%	83.00%	80.00%	0.00	85.00%	75.00%	85.00%	0.00	https://github.com/Crystalrem/AAA-Tree	100.00%	100.00%	100.00%	80.00%	80.00%	75.00%	0.00	https://github.com/Crystalrem/Link-Cut-Cactus													**70.43%**	**18.34**	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.00%	20.00%	**-10.00%**	**-10.00%**			1.00	0.00	**7.50%**	**0.70**	**19.05**
孔冰玉	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	**95.00%**	87.00%	85.00%	85.00%	80.00%	85.00%	0.00	85.00%	75.00%	85.00%	0.00	https://github.com/Crystalrem/AAA-Tree	100.00%	100.00%	100.00%	80.00%	80.00%	75.00%	0.00	https://github.com/Crystalrem/Link-Cut-Cactus													**71.43%**	**18.55**	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.00%	20.00%	**-10.00%**	**-10.00%**			1.00	0.00	**7.50%**	**0.70**	**19.25**
张智恺	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	75.00%	75.00%	85.00%	80.00%	80.00%	80.00%	0.00	80.00%	80.00%	80.00%	0.00	https://github.com/Nerer/Euler-Tour-Tree	100.00%	100.00%	**90.00%**	82.00%	**92.00%**	**1.00**		https://github.com/Nerer/R-Tree													**69.99%**	**18.18**	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	**-20.00%**	**20.00%**	**20.00%**			0.00	0.00	**5.00%**	**0.47**	**18.65**
冼嘉超洋	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	78.00%	78.00%	80.00%	80.00%	80.00%	80.00%	0.00	80.00%	80.00%	80.00%	0.00	https://github.com/Nerer/Euler-Tour-Tree	100.00%	100.00%	**90.00%**	82.00%	**92.00%**	**1.00**		https://github.com/Nerer/R-Tree													**70.18%**	**18.23**	0.00	**1.00**	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	**-20.00%**	**20.00%**	**20.00%**			0.00	0.00	**10.00%**	**0.94**	**19.16**
胥章云	100.00%	**0.00%**	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	**90.00%**	**95.00%**	80.00%	80.00%	85.00%	80.00%	0.00	80.00%	80.00%	80.00%	0.00	https://github.com/Nerer/Euler-Tour-Tree	100.00%	100.00%	**90.00%**	82.00%	**92.00%**	**1.00**		https://github.com/Nerer/R-Tree													**69.79%**	**18.13**	**1.00**	0.00	**1.00**	**1.00**	0.00	0.00	0.00	0.00	0.00%	**-20.00%**	**20.00%**	**20.00%**			0.00	0.00	**17.50%**	**1.64**	**19.77**
龙思杉	**0.00%**	**0.00%**	100.00%	100.00%	**90.00%**	**29.97%**	100.00%	**93.33%**	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	85.00%	82.00%	80.00%	80.00%	85.00%	80.00%	0.00	80.00%	80.00%	80.00%	0.00	https://github.com/Nerer/Euler-Tour-Tree	100.00%	100.00%	**90.00%**	82.00%	**92.00%**	**1.00**		https://github.com/Nerer/R-Tree													**65.62%**	**17.04**	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%	**-20.00%**	**20.00%**	**20.00%**			0.00	**1.00**	**10.00%**	**0.94**	**17.98**
班级平均分	**94.12%**	**79.41%**	**100.00%**	**100.00%**	**87.65%**	**82.16%**	**100.00%**	**99.41%**	**100.00%**	**100.00%**	**100.00%**	**100.00%**	**100.00%**	**100.00%**	**100.00%**	**100.00%**	**81.94%**	**81.18%**	**81.29%**	**81.06%**	**81.18%**	**80.47%**		**83.82%**	**78.82%**	**84.71%**			**96.47%**	**100.00%**	**100.00%**	**85.00%**	**78.71%**	**83.06%**			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		0.00%	0.00%	0.00%		0.00%	0.00%	0.00%	0.00%	**69.31%**	**18.00**																	**21.32%**	**2.00**	**20.00**