

# 实验说明

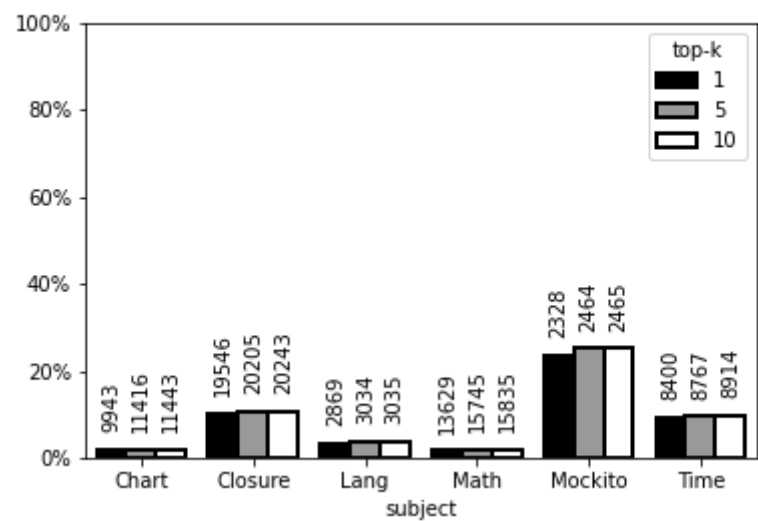
表 项目信息

subject	versions	LoC	Functions	Predicates	Tests	Language
Chart	26	85074	7489	558336	1815	Java
Closure	176	83721	9467	199186	3460	Java
Lang	65	18487	2220	84378	1823	Java
Math	106	50651	4819	845426	216	Java
Mockito	38	8901	1317	9218	1141	Java
Time	27	27259	3881	93138	3917	Java

注明，Math因为时间关系仅计算bug相关的测试（相关由defects4j定义），各项结果求平均。

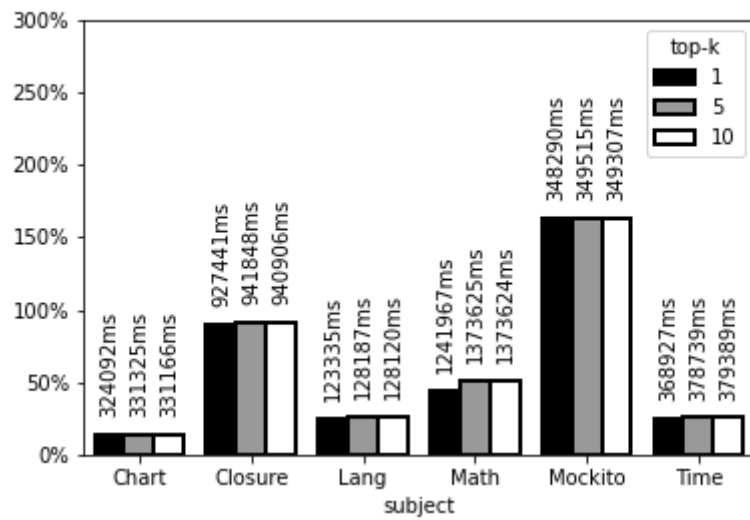
## 实验1 结果

谓词

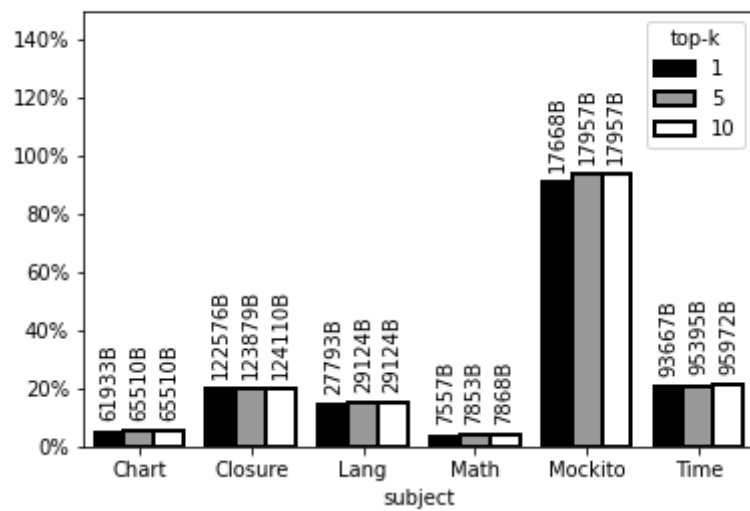


运行

时间



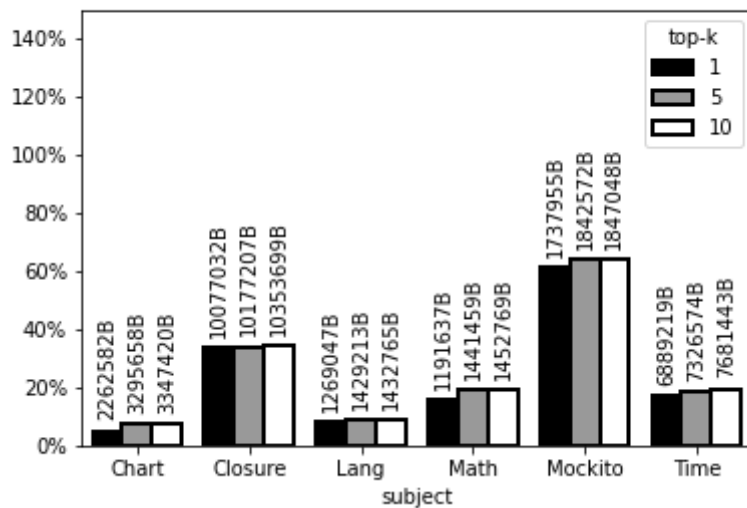
空间



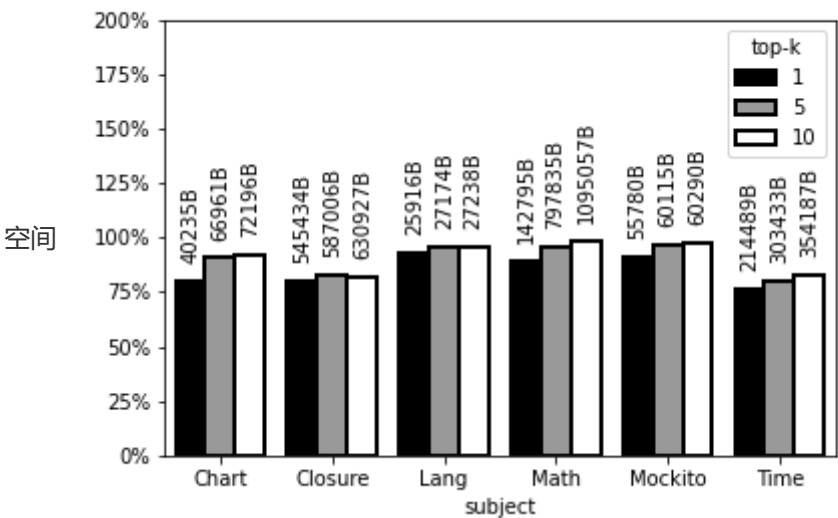
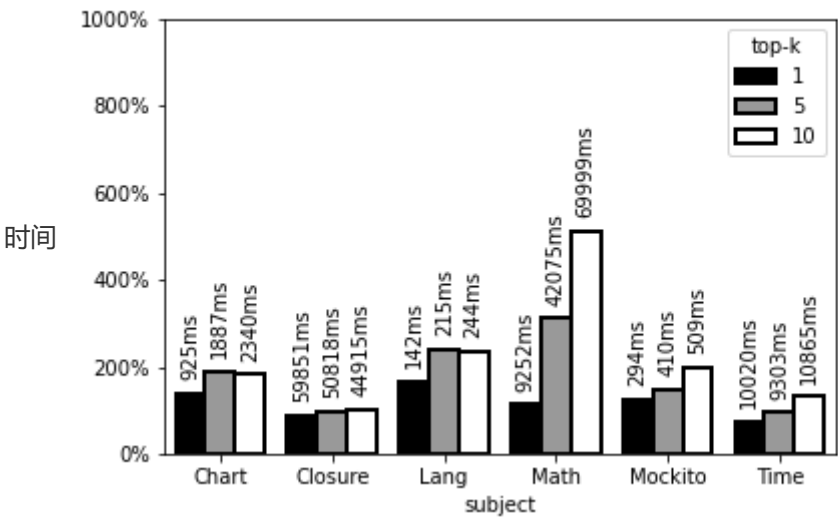
预处理

时间

空间



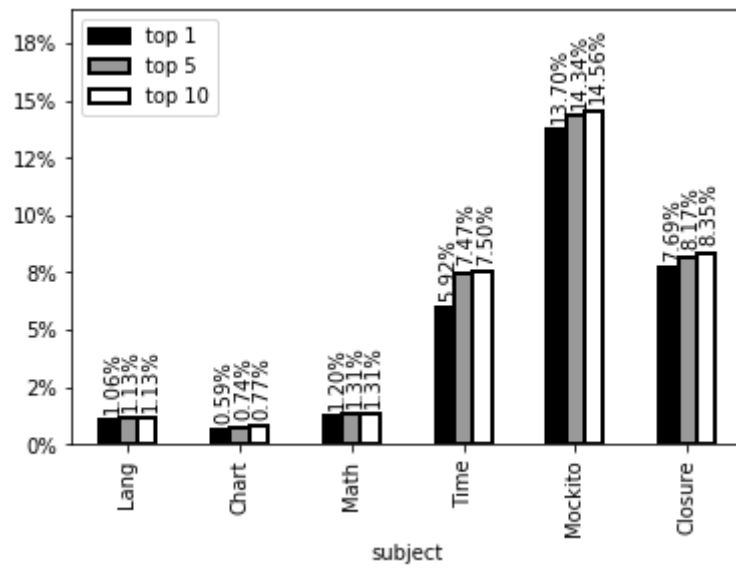
挖掘



实验2 结果

1

subject	top 1	top 5	top 10
Lang	1.06	1.13	1.13
Chart	0.59	0.74	0.77
Math	1.20	1.31	1.31
Time	5.92	7.47	7.50
Mockito	13.70	14.34	14.56
Closure	7.69	8.17	8.35



## RQ 2

branch

subject	branch_iter	branch_perd
Lang	6.60	0.98
Chart	45.64	1.75
Math	18.74	1.39
Time	65.22	8.26
Mockito	62.89	18.50
Closure	341.98	10.58

return

subject	return_iter	return_perd
Lang	5.74	1.33
Chart	24.52	1.18
Math	16.16	1.12
Time	63.65	4.59
Mockito	45.57	14.78
Closure	282.53	9.43

scalar

subject	scalar_iter	scalar_perd
Lang	4.98	1.31
Chart	17.32	0.69
Math	17.74	1.37
Time	42.70	8.44
Mockito	23.54	13.23
Closure	127.45	7.34

### RQ 3

subjects	s1	s100	s10000	cg	iterative
Lang	129.98	7.71	5.53	4.66	1.35
Chart	178.74	19.26	16.07	27.19	1.06
Math	638.52	59.99	30.87	30.33	1.36
Time	140.21	15.08	11.23	28.48	1.13
Mockito	5.92	5.48	5.50	7.00	
Closure	8.37	5.48	4.99	6.82	

### 实验环境

系统

sample-cc Fedora 20 64-bit (x86\_64) 1.46.1 debian 系如 ubuntu1204

### 原实验对象结果

TODO