Code Smells coletados com a ferramenta JSpirit			
Kind of Design Flaw	**Java Element**	**Ranking**	**Ranking Value**
Feature Envy	MatrixSTN. addConstraint	1	1
Dispersed Coupling	MatrixSTN. getTimes	2	1
Feature Envy	MatrixSTN. increaseMin	3	1
Feature Envy	MatrixSTN. decreaseMax	4	1
Feature Envy	MatrixSTN. maximize	5	1
Feature Envy	MatrixSTN. minimize	6	1
Feature Envy	MatrixSTN. printArray	7	1
Data Class	MatrixSTN	8	1
Dispersed Coupling	TemporalMetric State. checkAvailability	9	1
Data Class	SimpleCharStream	10	1
Feature Envy	NamedFunction .replace	11	1
Refused Parent Bequest	NamedFunction	12	1
Shotgun Surgery	Function. getValue	13	1
Dispersed Coupling	EnforcedHillClimbingSearch. search	14	1
Brain Method	Operator. getParameterCombinations	15	1
Dispersed Coupling	Operator. getParameterCombinations	16	1

Data Class	Operator	17	1
Feature Envy	GroundProblem.getTemporalMetricInitialState	18	1
Feature Envy	BinaryFunction.getValue	19	1
Feature Envy	BinaryFunction.getMaxValue	20	1
Feature Envy	BinaryFunction.getMinValue	21	1
Data Class	BinaryFunction	22	1
Feature Envy	PGBinaryFunction.getMaxValue	23	1
Feature Envy	PGBinaryFunction.increase	24	1
Feature Envy	PGBinaryFunction.decrease	25	1
Dispersed Coupling	AND.staticifyCondition	26	1
Dispersed Coupling	AND.staticifyEffect	27	1
Data Class	AND	28	1
Brain Method	JavaFFScheduler.schedule	29	1
Dispersed Coupling	JavaFFScheduler.schedule	30	1
Feature Envy	ParseException.getMessage	31	1
Feature Envy	UngroundProblem.makeStaticPropositionMap	32	1
Feature Envy	RelaxedTemporalMetricPlanningGraph.getPlan	33	1
Feature Envy	PartialOrderPlan.getTemporalConstraints	34	1

Feature Envy	PDDL21parserTokenManager.jjFillToken	35	1
Brain Method	PDDL21parserTokenManager.getNextToken	36	1
Data Class	PDDL21parserTokenManager	37	1
Feature Envy	PlanningGraph.createNoOps	38	1
Feature Envy	PlanningGraph.checkPropMutex	39	1
Feature Envy	PlanningGraph.getAvailableActions	40	1
Feature Envy	PlanningGraph.checkActionMutex	41	1
Intensive Coupling	PlanningGraph.searchPlan	42	1
Dispersed Coupling	PlanningGraph.searchLevel	43	1
God Class	PlanningGraph	44	1
Feature Envy	PDDLPrinter.printDomainFile	45	1
Feature Envy	PDDLPrinter.printProblemFile	46	1
Refused Parent Bequest	Proposition	47	1
Dispersed Coupling	VelosoSchedulabilityChecker.addAction	48	1
Feature Envy	VelosoSchedulabilityChecker.add	49	1
Dispersed Coupling	VelosoSchedulabilityChecker.add	50	1

Feature Envy	VelosoSchedulabilityChecker.checkOrder	51	1
Feature Envy	RelaxedMetricPlanningGraph.makeComparator	52	1
Feature Envy	RelaxedMetricPlanningGraph.makeOperator	53	1
Feature Envy	RelaxedMetricPlanningGraph.setInitialValues	54	1
Dispersed Coupling	RelaxedMetricPlanningGraph.updateResourceValues	55	1
Brain Method	RelaxedMetricPlanningGraph.searchRelaxedPlan	56	1
Dispersed Coupling	RelaxedMetricPlanningGraph.searchRelaxedPlan	57	1
God Class	RelaxedMetricPlanningGraph	58	1
Refused Parent Bequest	RelaxedMetricPlanningGraph	59	1
Feature Envy	HValueComparator.compare	60	1
Dispersed Coupling	GraphSTN.consistentSource	61	1
Dispersed Coupling	PrecedenceResourceGraph.meetConditions	62	1
Dispersed Coupling	PrecedenceResourceGraph.findBeforeMax	63	1

Dispersed Coupling	PrecedenceRes ourceGraph. findBeforeMin	64	1
Dispersed Coupling	PrecedenceRes ourceGraph. limitBounds	65	1
Data Class	PrecedenceRes ourceGraph	66	1
Feature Envy	UngroundDurati veAction. getStaticConditi onPredicates	67	1
Feature Envy	HValueCompar atorAStartSearc h.compare	68	1
Feature Envy	PDDL21parser. parsePrimitiveT ype	69	1
Brain Method	PDDL21parser. parseTypedList	70	1
Feature Envy	PDDL21parser. parseTypedList	71	1
Dispersed Coupling	PDDL21parser. parseTypedList	72	1
Feature Envy	PDDL21parser. parsePredicate Symbol	73	1
Feature Envy	PDDL21parser. parseFunctionS ymbol	74	1
Feature Envy	PDDL21parser. parseTimedGD	75	1
Feature Envy	PDDL21parser. parseDOp	76	1
Feature Envy	PDDL21parser. parseTimedEffe ct	77	1
Brain Method	PDDL21parser. parseFExpDA	78	1
Feature Envy	PDDL21parser. parseProblem	79	1

Feature Envy	PDDL21parser. jj_scan_token	80	1
Feature Envy	PDDL21parser. getNextToken	81	1
Feature Envy	PDDL21parser. getToken	82	1
Feature Envy	PDDL21parser. jj_ntk	83	1
Feature Envy	PDDL21parser. jj_add_error_tok en	84	1
Brain Method	PDDL21parser. jj_rescan_token	85	1
Feature Envy	PDDL21parser. jj_rescan_token	86	1
Feature Envy	PDDL21parser. jj_save	87	1
God Class	PDDL21parser	88	1
Brain Class	PDDL21parser	89	1
Data Class	PDDL21parser	90	1
Data Class	MetricSymbolSt ore	91	1
Shotgun Surgery	GroundConditio n. getConditionalP ropositions	92	1
Feature Envy	PGBinaryComp arator.met	93	1
Feature Envy	PGBinaryComp arator. makeBetter	94	1
Refused Parent Bequest	STRIPSState	95	1
Feature Envy	BinaryComparat or.isTrue	96	1
Data Class	BinaryComparat or	97	1
Feature Envy	ResourceOpera tor.applyMax	98	1

Feature Envy	ResourceOpera tor.applyMin	99	1
Feature Envy	ResourceOpera tor.effectsAdd	100	1
Data Class	ResourceOpera tor	101	1
Feature Envy	SimpleDuration Constraint. getMinDuration	102	1
Dispersed Coupling	GreedyPartialOr derLifter. getAOrderings	103	1
Dispersed Coupling	GreedyPartialOr derLifter. getBOrderings	104	1
Dispersed Coupling	GreedyPartialOr derLifter. getCOrderings	105	1
Feature Envy	PGResourceOp erator. invertFunction	106	1
Feature Envy	PGResourceOp erator.increase	107	1
Feature Envy	PGResourceOp erator.decrease	108	1
Total de Code Smells:		**5886**	**108**