

1	tokens in program element name with sub-tokens								
1	tf/idf weights of node types								
1	syntax change type								
1	source code tokens weighted based on node centralities								
1	nearest enclosing method/function scope								
1	most similar known entry from knowledge base								
1	program element name								
1	sequence of edits made to ast								
1	log message								
1	aggregated node features								
1	bounding boxes of nodes in image of rendered graph								
1	bytecode instructions corresponding to code								
1	code author								
1	changed source code tokens								
1	compiler error line number								
1	compiler error message								
2	domain specific expert features								
2	software metrics								
2	description of code to be generated								
3	tokens in program element name								
4	code comment							•	
4	,								
4	source code with sub-tokens							•	
5	positional information of tokens/program elements						•	1	
7	bug report					•			
9	code summary or query				•				
	source code								