Edg

EDG

OffsetFinder

ExecutionDump
instructions : Dict[str, Instruction]
dump : DumpLine[]

DumpLine
registers : Dict[str, int]
SP_offsets : Dict[str, int]
FP_offsets : Dict[str, int]
var_values : Dict[str, int]
next_instruction : str
ref_next_instruction : str

VarOffsets →

DUMP →

Tracer

Instruction
opcode : Opcode
r1 : Register
r2 : Register
r3 : Register
immediate : int

«enum»
Register
ALLREGS

«enum:Mapping[str, Tuple[int, bool]] »
Opcode
ALLOPCODES

Tracer
trace : Map[str(Ref instr), Map[Register,List[str(Variables)]]]
function_offsets : Dict[str, Dict[str, int]]
global_offsets : Dict[str, int]
execution_dump : ExecutionDump

Tracer(function_offsets : Dict[str, Dict[str, int]], execution_dum
startTrace()
getVariable(instr : Instruction)
checkBefore(reg : Register, istr : Instruction)
checkAfter(reg : Register, istr : Instruction)

trace : Map[Instruction, Map[Register,List[Variables]]] →

CalcMetrics