untrusted code is accompanied by a proof for its safety w.r.t. to some safety property and the code receiver has just to generateable(prop)j 19.78989 0Td (the)Tj5.013.5956d (y)Tj -p1.8685

## 2 Framew

loop frame condition, which declares

nresul t = 1

()

9var(0):

the loops in a metho

## 6 Comparison between source and bytecodes proofs

The purpose of this section is to give a comparison between bytecode and proof obligations. In particular, we illustrate the proof obligations of the example program in Fig.2.

We the relationship between the 2ource code proof obligations generated by the 2tandard

Hypothesis on bytecode:	Hypothesis on source level:
lv[2]_at_ins_20	i _at_ins_26
len(#19(I v[0]))	len(ListArray:I

## References

[1] A. V. Aho, R. Sethi, and J. D. Ullman. Compilers-Principles, T[1] e

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