GroMEt \mathcal{FN} GroMET FN Instance Notation: GrFN 2.3 Python GroMEt Examples of substitution Port (on Box boundary) (example with var name) expo.py → Wire (generally) x = 2module 2 x Module Loop Conditional **Function** "Box" Expression exp1.py x = 2 + 3module "Function" Predicate PrimitiveOp (type of Function) LiteralValue (type of Function) GrFN 2.3 to GroMET FN translation: GrFN Assignment are generally identified with Expressions GrFN Variable assignments are identified with Output Ports (PortOut and OuterPortOut) of Functions GrFN LiteralValues are GroMEt LiteralValue (type of exp2.py Function) x = 2y = x + 3fun1.py module def foo(x): return x + 3foo id0 arg0 x = foo(2)module.foo_id0 foo id0 call0 arg0 module.foo_id0_call0 foo id0 call0 ret (x foo id0 call0 ret foo id0 ret val foo id0 ret val while1.py x = 2while x < 5: x = x + 1cond1.py x = 2if x < 5: x = x + 1else: x = x - 3x = 7for i in range(10): x = x + irange Metadata: for_loop_initialize it sc i x Metadata: for_loop_iterator_updae it sc i x de next it sc i x x = 7y = xfor i in range(10): x = x + iprint(x) print(y) e it sc next e it sc

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print

it sc i x