https://github.com/PegaSysEng/eth2.0-dafny

Data collected: 2021-03-02

Files	Folder	Proved	
BeaconChainTypes.dfy	src/dafny/beacon	2	
Helpers.dfy	src/dafny/beacon	12	
AttestationsHelpers.dfy	src/dafny/beacon/attestations	10	
AttestationsTypes.dfy	src/dafny/beacon/attestations	0	
ForkChoice.dfy	src/dafny/beacon/forkchoice	-1	
ForkChoiceHelpers.dfy	src/dafny/beacon/forkchoice	10	
ForkChoiceProofs.p.dfy	src/dafny/beacon/forkchoice	6	
ForkChoiceTypes.dfy	src/dafny/beacon/forkchoice	0	
ForkChoicehelpers.p.dfy	src/dafny/beacon/forkchoice	3	
Crypto.dfy	src/dafny/beacon/helpers	1	
Math.dfy	src/dafny/beacon/helpers	7	
MathHelper.dfy	src/dafny/beacon/helpers/helper_lemmas	20	
EpochProcessing.dfy	src/dafny/beacon/statetransition	3	
EpochProcessing.s.dfy	src/dafny/beacon/statetransition	6	
ProcessOperations.p.dfy	src/dafny/beacon/statetransition	-1	
ProcessOperations.s.dfy	src/dafny/beacon/statetransition	-1	
StateTransition.dfy	src/dafny/beacon/statetransition	12	
StateTransition.s.dfy	src/dafny/beacon/statetransition	7	
Validators.dfy	src/dafny/beacon/validators	0	
div.i.dfy	src/dafny/libraries/integers	212	
div_auto.i.dfy	src/dafny/libraries/integers	13	
div_auto_proofs.i.dfy	src/dafny/libraries/integers	6	
div_def.i.dfy	src/dafny/libraries/integers	12	
div_nonlinear.i.dfy	src/dafny/libraries/integers	11	
mod_auto.i.dfy	src/dafny/libraries/integers	21	
mod_auto_proofs.i.dfy	src/dafny/libraries/integers	15	
mul.i.dfy	src/dafny/libraries/integers	62	
mul_auto.i.dfy	src/dafny/libraries/integers	13	
mul_auto_proofs.i.dfy	src/dafny/libraries/integers	14	
mul_nonlinear.i.dfy	src/dafny/libraries/integers	6	
power.i.dfy	src/dafny/libraries/integers	38	
power2.i.dfy	src/dafny/libraries/integers	87	
power2s.i.dfy	src/dafny/libraries/integers	2	
powers.i.dfy	src/dafny/libraries/integers	1	
liv.r.dfy	src/dafny/libraries/reals	3	
mul.r.dfy	src/dafny/libraries/reals	1	
Merkleise.dfy	m src/dafny/merkle	27	
BitListSeDes.dfy	m src/dafny/ssz	-1	
BitVectorSeDes.dfy	src/dafny/ssz	6	
BoolSeDes.dfy	$\frac{1}{\text{src/dafny/ssz}}$	2	
BytesAndBits.dfy	m src/dafny/ssz	13	
Constants.dfy	m src/dafny/ssz	0	
IntSeDes.dfy	m src/dafny/ssz	4	
Serialise.dfy	m src/dafny/ssz	8	
DafTests.dfy	src/dafny/utils	4	
Eth2Types.dfy	src/dafny/utils	4	
Helpers.dfy	src/dafny/utils	14	
MathHelpers.dfy	src/dafny/utils	14	

Folder	#Files	#LoC	Theorems	Implementations	Documentation	#Doc/#LoC (%)	Proved
/src/dafny/merkle	1	502	9	18	158	31	27
/src/dafny/ssz	7	1230	23	20	293	24	32
/src/dafny/utils	8	822	32	16	317	39	48
/test/lowlevel_modules	14	686	3	75	362	53	22