

<https://github.com/ConsenSys/eth2.0-dafny>

Data collected: 2021-08-03-07:52

Files	Folder	#LoC	Theorems	Implementations	Documentation	#Doc/#LoC (%)	Proved
BeaconChainTypes.dfy	beacon	43	0	1	166	386	1
Helpers.dfy	beacon	96	2	8	35	36	10
AttestationsHelpers.dfy	beacon/attestations	255	9	11	159	62	20
AttestationsTypes.dfy	beacon/attestations	36	0	1	89	247	1
ForkChoice.dfy	beacon/forkchoice	238	3	15	176	74	0
ForkChoiceTypes.dfy	beacon/forkchoice	87	3	4	87	100	7
GasperEBBs.dfy	beacon/gasper	64	5	0	78	122	5
GasperFinalisation.dfy	beacon/gasper	48	0	2	21	44	2
GasperJustification.dfy	beacon/gasper	63	2	3	56	89	5
GasperProofs.p.dfy	beacon/gasper	268	2	8	159	59	10
EpochProcessing.dfy	beacon/statetransition	20	0	3	81	405	3
EpochProcessing.s.dfy	beacon/statetransition	292	9	2	308	105	0
ProcessOperations.dfy	beacon/statetransition	60	0	2	16	27	2
ProcessOperations.s.dfy	beacon/statetransition	211	10	7	95	45	17
StateTransition.dfy	beacon/statetransition	260	0	12	162	62	0
StateTransition.s.dfy	beacon/statetransition	136	9	1	85	62	0
Validators.dfy	beacon/validators	14	0	0	55	393	0
BitListSeDes.dfy	ssz	260	7	3	64	25	10
BitVectorSeDes.dfy	ssz	153	4	3	53	35	7
BoolSeDes.dfy	ssz	20	0	2	3	15	2
BytesAndBits.dfy	ssz	88	7	6	44	50	13
Constants.dfy	ssz	88	0	0	28	32	0
IntSeDes.dfy	ssz	128	2	2	20	16	4
Serialise.dfy	ssz	512	3	5	36	7	8
DafTests.dfy	utils	60	0	4	25	42	4
Eth2Types.dfy	utils	218	1	3	60	28	4
Helpers.dfy	utils	218	11	3	64	29	14
MathHelpers.dfy	utils	193	10	4	32	17	14
NativeTypes.dfy	utils	30	0	0	14	47	0
NonNativeTypes.dfy	utils	6	0	0	6	100	0
SeqHelpers.dfy	utils	61	7	2	17	28	9
SetHelpers.dfy	utils	87	7	0	27	31	7
TOTAL		4313	113	117	2321	54	179

	Folder	#Files	#LoC	Theorems	Implementations	Documentation	#Doc/#LoC (%)	Proved
0	beacon/validators	17	2191	54	80	1828	83	83
1	beacon/attestations	2	291	9	12	248	85	21
2	beacon/forkchoice	2	325	6	19	263	81	7
3	beacon/gasper	4	443	9	13	314	71	22
4	beacon/statetransition	6	979	28	27	747	76	22
5	beacon/validators	1	14	0	0	55	393	0
6	ssz	7	1249	23	21	248	20	44
7	utils	8	873	36	16	245	28	52