

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

Data collected: 2021-08-03-22:35

Files	Folder	#LoC	Theorems	Implementations	Documentation	#Doc/#LoC (%)	Proved
ActiveValidatorBounds.p.dfy	beacon	52	3	0	29	56	3
BeaconChainTypes.dfy	beacon	54	0	0	171	317	0
Helpers.dfy	beacon	1003	9	89	670	67	98
Helpers.p.dfy	beacon	136	13	0	114	84	13
Helpers.s.dfy	beacon	136	9	6	67	49	15
AttestationsTypes.dfy	beacon/attestations	30	0	0	68	227	0
ForkChoice.dfy	beacon/forkchoice	229	3	15	172	75	18
ForkChoiceTypes.dfy	beacon/forkchoice	9	0	0	17	189	0
Crypto.dfy	beacon/helpers	7	0	1	3	43	1
Math.dfy	beacon/helpers	3	0	0	114	3800	0
MathHelper.dfy	beacon/helpers/helper_lemmas	3	0	0	413	13767	0
EpochProcessing.dfy	beacon/statetransition	384	0	14	127	33	14
EpochProcessing.s.dfy	beacon/statetransition	398	24	0	336	84	24
ProcessOperations.dfy	beacon/statetransition	361	0	11	119	33	11
ProcessOperations.p.dfy	beacon/statetransition	160	10	0	74	46	10
ProcessOperations.s.dfy	beacon/statetransition	410	12	6	137	33	18
StateTransition.dfy	beacon/statetransition	215	0	8	126	59	8
StateTransition.s.dfy	beacon/statetransition	213	11	1	100	47	12
Validators.dfy	beacon/validators	11	0	0	53	482	0
Merkleise.dfy	merkle	504	9	18	135	27	27
BitListSeDes.dfy	ssz	262	7	3	64	24	10
BitVectorSeDes.dfy	ssz	155	4	3	53	34	7
BoolSeDes.dfy	ssz	22	0	2	3	14	2
BytesAndBits.dfy	ssz	90	7	6	44	49	13
Constants.dfy	ssz	104	0	0	36	35	0
IntSeDes.dfy	ssz	130	2	2	20	15	4
Serialise.dfy	ssz	514	3	5	36	7	8
DafTests.dfy	utils	62	0	4	25	40	4
Eth2Types.dfy	utils	227	1	3	77	34	4
Helpers.dfy	utils	220	11	3	103	47	14
MathHelpers.dfy	utils	293	18	6	105	36	24
NativeTypes.dfy	utils	28	0	0	13	46	0
NonNativeTypes.dfy	utils	8	0	0	6	75	0
SeqHelpers.dfy	utils	69	8	2	58	84	10
SetHelpers.dfy	utils	74	6	0	50	68	6
TOTAL		6576	170	208	3738	57	378

Folder	#Files	#LoC	Theorems	Implementations	Documentation	#Doc/#LoC (%)	Proved
beacon	19	3814	94	151	2910	76	245
beacon/attestations	1	30	0	0	68	227	0
beacon/forkchoice	2	238	3	15	189	79	18
beacon/helpers	3	13	0	1	530	4077	1
beacon/helpers/helper_lemmas	1	3	0	0	413	13767	0
beacon/statetransition	7	2141	57	40	1019	48	97
beacon/validators	1	11	0	0	53	482	0
merkle	1	504	9	18	135	27	27
ssz	7	1277	23	21	256	20	44
utils	8	981	44	18	437	45	62