Code Complexity Report

Source file: src/pieces/King.py

Function name	Cyclomatic complexity (15)	LOC (1000000)	Token count	Parameter count (100)
__init__	2	6	33	2
is_valid_move	4	4	57	3
get_route	1	2	13	3

Source file: src/pieces/Route.py

Source file: src/pieces/Bishop.py

Function name	Cyclomatic complexity (15)	LOC (1000000)	Token count	Parameter count (100)
__init__	2	6	33	2
is_valid_move	2	4	45	3
get_route	3	4	85	3

Source file: src/pieces/Pawn.py

Function name	Cyclomatic complexity (15)	LOC (1000000)	Token count	Parameter count (100)
__init__	2	6	33	2
is_valid_move	10	7	110	3
get_route	4	10	91	3

Source file: src/pieces/Rook.py

Function name	Cyclomatic complexity (15)	LOC (1000000)	Token count	Parameter count (100)
__init__	2	6	33	2
is_valid_move	4	4	57	3
get_route	4	9	142	3

Source file: src/pieces/Knight.py

Function name	Cyclomatic complexity (15)	LOC (1000000)	Token count	Parameter count (100)
__init__	2	6	33	2
is_valid_move	4	4	57	3
get_route	1	2	13	3

Source file: src/pieces/Color.py

Function name	Cyclomatic complexity (15)	LOC (1000000)	Token count	Parameter count (100)
get_opposite_color	2	5	26	1

Source file: src/pieces/Queen.py

Function name	Cyclomatic complexity (15)	LOC (1000000)	Token count	Parameter count (100)
__init__	2	6	33	2
is_valid_move	6	4	67	3
get_route	5	11	193	3

Source file: src/pieces/Piece.py

Function name	Cyclomatic complexity (15)	LOC (1000000)	Token count	Parameter count (100)
__init__	1	2	12	2
is_valid_move	1	2	12	3
get_route	1	2	12	3

Source file: src/Board.py

Function name	Cyclomatic complexity (15)	LOC (1000000)	Token count	Parameter count (100)
__init__	1	3	19	1
_build	5	9	74	1

set	1	2	33	3
get	1	2	25	2
get_display	3	9	81	1
_spawn_pieces	5	17	246	1
in_bounds	4	6	59	3

Source file: **src/Position.py**

Source file: **src/util.py**

Function name	Cyclomatic complexity (15)	LOC (1000000)	Token count	Parameter count (100)
cls	2	2	18	0
parse_move	3	10	76	1
parse_position	1	4	41	1

Source file: **src/ReplayInterface.py**

Function name	Cyclomatic complexity (15)	LOC (1000000)	Token count	Parameter count (100)
__init__	1	2	14	1
replay	3	20	134	2
_parse_move_log	1	4	36	2

Source file: **src/PlayerInterface.py**

Function name	Cyclomatic complexity (15)	LOC (1000000)	Token count	Parameter count (100)
__init__	1	4	25	1
start	5	21	124	1
_display_valid_moves	2	8	68	2
_move	2	9	53	3
_checkmate	1	5	30	1
_promote	2	24	128	2
_log_moves	2	10	63	1

Source file: **src/Controller.py**

Function name	Cyclomatic complexity (15)	LOC (1000000)	Token count	Parameter count (100)
__init__	1	3	21	1
move	2	11	69	3
promote	2	6	56	3
get_display	1	2	15	1
_is_valid_move	24	49	378	6
get_valid_moves	4	10	62	2
_blocked_by_check	8	21	153	3
is_checkmate	6	12	81	1
is_promotion	9	13	104	1
_switch_turn	1	2	17	1

Source file: **src/Tile.py**

Function name	Cyclomatic complexity (15)	LOC (1000000)	Token count	Parameter count (100)
__init__	1	3	25	2
set	1	2	16	2
get_token	2	5	24	1
clear	1	2	10	1

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