

Node Type: ENTRY_POINT 0



Node Type: EXPRESSION 1

EXPRESSION:
require(bool,string)(to != address(0),ERC721: mint to the zero address)

IRs:
TMP_254 = CONVERT 0 to address
TMP_255(bool) = to != TMP_254
TMP_256(None) = SOLIDITY_CALL require(bool,string)(TMP_255,ERC721: mint to the zero address)



Node Type: EXPRESSION 2

EXPRESSION:
require(bool,string)(! _exists(tokenId),ERC721: token already minted)

IRs:
TMP_257(bool) = INTERNAL_CALL, ERC721. exists(uint256)(tokenId)
TMP_258 = ! TMP_257
TMP_259(None) = SOLIDITY_CALL require(bool,string)(TMP_258,ERC721: token already minted)



Node Type: EXPRESSION 3

EXPRESSION:
_beforeTokenTransfer(address(0),to,tokenId)

IRs:
TMP_260 = CONVERT 0 to address
INTERNAL_CALL, ERC721. _beforeTokenTransfer(address,address,uint256)(TMP_260,to,tokenId)



Node Type: EXPRESSION 4

EXPRESSION:
_balances[to] += 1

IRs:
REF_57(uint256) -> _balances[to]
REF_57(-> _balances) = REF_57 (c)+ 1



Node Type: EXPRESSION 5

EXPRESSION:
_owners[tokenId] = to

IRs:
REF_58(address) -> _owners[tokenId]
REF_58 (-> _owners) := to(address)



Node Type: EXPRESSION 6

EXPRESSION:
Transfer(address(0),to,tokenId)

IRs:
TMP_262 = CONVERT 0 to address
Emit Transfer(TMP_262.to.tokenId)