Q2 In the safeTransferFrom function, why is shl used on line 191 to shift the from to the left by 96 bits?

move from address value to 0x2c next to function signature at 0x1c and eliminate dirty bytes.

Q3 In the safeTransferFrom function, is this memory safe assembly? Why or why not?

although it can be considered safe as 0x60 was temporarily used but reset it deviates from best practices

Q4 In the safeTransferFrom function, on line 197, why is 0x1c provided as the 4th argument to call ?

it contains start of function signature (transferFrom(address, address, uint256)). from 0x1c next 100 bytes contains abi-encoded low level call.

Q5 In the safeTransfer function, on line 266, why is revert used with 0x1c and 0x04? starting at 0x1c onwards 4 bytes are 90b8ec18 which refers to transferFailed() error which is given as revert reason.

Q6 In the safeTransfer function, on line 268, why is 0 mstore'd at 0x34 .?

when mstore(0x34, amount) is called it also writes at regions 0x40 to 0x54 which belongs to the free memory pointer(0x40). mstore(0x34, 0) is used to overwrite that region back with zeroes.

Q7 In the safeApprove function, on line 317, why is mload(0x00) validated for equality to 1? it is checking for successfull return after calling approve function.

Q8 In the safeApprove function, if the token returns false from the approve(address, uint256) function, what happens?

It will revert with ApproveFailed() Error.