

```

1  pragma solidity >=0.5.0;
2
3  interface IUniswapV2Callee {
4      function uniswapV2Call(address sender, uint amount0, uint amount1, bytes calldata
        data) external;
5  }
6
7  -----
8
9  pragma solidity >=0.5.0;
10
11 interface IUniswapV2ERC20 {
12     event Approval(address indexed owner, address indexed spender, uint value);
13     event Transfer(address indexed from, address indexed to, uint value);
14
15     function name() external pure returns (string memory);
16     function symbol() external pure returns (string memory);
17     function decimals() external pure returns (uint8);
18     function totalSupply() external view returns (uint);
19     function balanceOf(address owner) external view returns (uint);
20     function allowance(address owner, address spender) external view returns (uint);
21
22     function approve(address spender, uint value) external returns (bool);
23     function transfer(address to, uint value) external returns (bool);
24     function transferFrom(address from, address to, uint value) external returns (bool
        );
25
26     function DOMAIN_SEPARATOR() external view returns (bytes32);
27     function PERMIT_TYPEHASH() external pure returns (bytes32);
28     function nonces(address owner) external view returns (uint);
29
30     function permit(address owner, address spender, uint value, uint deadline, uint8 v
        , bytes32 r, bytes32 s) external;
31 }
32
33 -----
34
35 pragma solidity >=0.5.0;
36
37 interface IUniswapV2Factory {
38     event PairCreated(address indexed token0, address indexed token1, address pair,
        uint);
39
40     function feeTo() external view returns (address);
41     function feeToSetter() external view returns (address);
42
43     function getPair(address tokenA, address tokenB) external view returns (address
        pair);
44     function allPairs(uint) external view returns (address pair);
45     function allPairsLength() external view returns (uint);
46
47     function createPair(address tokenA, address tokenB) external returns (address
        pair);
48
49     function setFeeTo(address) external;
50     function setFeeToSetter(address) external;
51 }
52
53 -----
54
55
56
57

```