pragma solidity ^ 0.5.1;

contract Strategy {

function getPrice(uint \_actualPrice, uint \_deltaBlocks) public view returns(uint);

}

contract NormalStrategy is Strategy {

function getPrice(uint \_actualPrice, uint \_deltaBlocks) public view returns(uint) {

uint tmp = \_actualPrice - \_deltaBlocks;

//in case of underflow

if (tmp > \_actualPrice) return 0;

else return tmp;

}

}

contract FastStrategy is Strategy {

function getPrice(uint \_actualPrice, uint \_deltaBlocks) public view returns(uint) {

uint tmp = \_actualPrice - (2 \* \_deltaBlocks);

//in case of underflow

if (tmp > \_actualPrice) return 0;

else return tmp;

}

}

contract SlowStrategy is Strategy {

function getPrice(uint \_actualPrice, uint \_deltaBlocks) public view returns(uint) {

uint tmp = \_actualPrice - (\_deltaBlocks / 2);

//in case of underflow

if (tmp > \_actualPrice) return 0;

else return tmp;

}

}