

# Homework 10

## Optimisation 2

1. Why are negative numbers more expensive to store than positive numbers ?
2. Test the following statements in Remix, which is cheaper and why ?

Assume that the denominator can never be zero.

1.

```
result = numerator / demoninator;
```

2.

```
assembly {  
  result := div(numerator, demoninator)  
}
```