Reduce $(+)$ $x_0 \ldots x_n = x_0 \oplus x_1 \oplus \ldots \oplus x_n$

OpenMP

In the prelab for there are some clues that the reduce operator is implemented in prelab.

```
IP                    x1 = x0 + x1 + y1 --> + x0 + y0
If I want to perform it sequentially
sum=0
for (int i=0; i < n; i++)
    sum += x[i] + y[i]

If I want to parallelize the loop:
sum=0
#pragma omp parallel for num-threads (n)   reduction (+: sum)
for (int i=0; i < n; i++)
    sum += x[i] + y[i]
                                  Quote to mark parts
                                  after for the
                                  reduction.
                                  Quote it takes from
                                  quote separate to longitudinal
                                  in order the serial
                                  reduce are more in
                                  terms degree of recurse
                                  for thread
                                  reduction (+: sum)
                                  Quote to mark parts
                                  after for the
                                  reduction.
                                  Quote it takes from
                                  quote separate to longitudinal
                                  in order the serial
                                  reduce are more in
                                  terms degree of recurse
                                  for thread
sum=0                                  sum=0
                                  n-1
                                  n
sum=0                                  sum=0
sum=0
sum=0
```