The output running through the first time:

```
[onthego@localhost lab2]$ cat backwards.txt
.rats elttil ,elkniwt ,elkniwT
,era uoy tahw ton wonk I hguohT
,krad eht ni rellevart eht sthgiL
kraps ynit dna thgirb ruoy sA

.yks eht ni si nus eht lliT
eye ruoy tuhs reven uoy roF
,peep sniatruc ym hguorht netfo dnA
,peek uoy yks eulb krad eht nI

.os elkniwt ton did uoy fI
,og ot erehw ees ton dluoc eH
;kraps ynit ruoy rof uoy sknahT
krad eht ni rellevart eht nehT

.thgin eht hguorht ,elkniwt ,elkniwT
,thgil elttil ruoy wohs uoy nehT
,nopu senihs gnihton eh nehW
,enog si nus gnizalb eht nehW

.yks eht ni dnomaid a ekiL
,hgih os dlrow eht evoba pU
!era uoy tahw rednow I woH
,rats elttil ,elkniwt ,elkniwT
```

The output backwards.txt through the program:

```
[onthego@localhost lab2]$ cat rebackwards.txt
Twinkle, twinkle, little star,
How I wonder what you are!
Up above the world so high,
Like a diamond in the sky.

When the blazing sun is gone,
When he nothing shines upon,
Then you show your little light,
Twinkle, twinkle, through the night.

Then the traveller in the dark
Thanks you for your tiny spark;
He could not see where to go,
If you did not twinkle so.

In the dark blue sky you keep,
And often through my curtains peep,
For you never shut your eye
Till the sun is in the sky.

As your bright and tiny spark
Lights the traveller in the dark,
Though I know not what you are,
Twinkle, twinkle, little star.
```

The result of md5sum on the original and final document:

```
[onthego@localhost lab2]$ md5sum lab2_document.txt
414c7f0d9ee9513bbcda93a3097a2031  lab2_document.txt
[onthego@localhost lab2]$ md5sum rebackwards.txt
414c7f0d9ee9513bbcda93a3097a2031  rebackwards.txt
```

The result of diff on the original and final document:

```
[onthego@localhost lab2]$ diff lab2_document.txt rebackwards.txt
[onthego@localhost lab2]$ 
```