

Q4.

Through following code, We could see the results ouputted at the end of code.

```
def decodeBWT(r):
    rows = [""] * len(r)
    for i in range(len(r)):
        rows = sorted(r[i] + rows[i] for i in range(len(r)))
    s = [row for row in rows if row.endswith("$")][0]
    print(s.rstrip("$").strip())
    return s.rstrip("$").strip()

decodeBWT('.uspe_gexr_____$..,e.orrs,sdddeedkdsuoden-tf,tyewtktttt,sewteb_ce__ww__h_PPsm_u_nas
eueeenrnlmwwhWcrskkmHwhhvtv_no_nnwttzKt_l_ocoo_be__aaaooaAakiioett_oooi_sslllfyyD__uouuuceet
enagan__rru_aasanIiatt__c__saacoorootjeae____ir_a')
```

```
## We_went_up,_saw_the_structure,_we_came_back_to_Kings_and_looked_at_our_Pattersons,_and_every_
section_of_our_Pattersons_we_looked_at_screamed_at_you,_Double_Helix._And_it_was_just_there._-_o
nce_you_knew_what_to_look_for._It_was_amazing.
```