start
↓
open file
↓
if file !open —yes→ "Error opening file"
↓no
read direction
↓
if ! char —yes→ "Oops: could not read the direction
↓no   from the input file
else if direction=l → direction=-1
↓no
else if direction=r + direction=1
↓no
    else —yes→ "Oops: Invalid direction in the
                 input file"
read shift ←
↓
if ! int → "Oops: could not read shift number
↓   from the input file"
else → shift=shift
↓
while !=eof ← ——— encrLetter = NumtoLetter(encrNum)
↓
read text ___ if encrNum<0 —no→ else
↓   ↓yes
realNum=LettertoNum   encrNum+=25
↓
encrNum=realNum+(shift*direction)