README.md 4/11/2022

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Use "make" to compile all program file

3.1 Bible

A program that help us to find the word in Bible. If input a empty string, the program will print "Wrong Input" and terminate.

3.2 SRT Player

An program that can play the subtitle with srt file, and could chose the speed (0.5-2).

3.3 Circular Focus

An program that make the 24-bit BMP picture having a spot light. Any input that doesn't meet the format will let the program terminate.

WARNING!!! The program only support 24-bit BMP file.

3.4 BMP with 16 bits

An program that make the 24-bit BMP picture turn into 16-bit BMP picture.

WARNING!!! The program only support 24-bit BMP file.

3.5 Sliding Puzzle

An program that help us slide the picture. You need to prepare an txt file to input and follow the following rules.

- 1. The first line contains two positive integers m, n, which means the width is split into m parts and the height is split into n parts.
- 2. The second line has one positive integers k, which means there will be k blocks below. Each block is the state of the sliding puzzle. Each block is has n rows where each row has m integers. The numbering start from
- 3. and is from the top left to right and top to down. Note that 0 means the removed piece.
- 4. The first block is the initial state.
- 5. The other blocks is one move from the above state.

Any input that doesn't meet the format will let the program terminate.

WARNING!!! The program only support 24-bit BMP file.

If m,n are not divisible image width and height, the image will be split in first quadrant and ingnore side pixel.