Appendix A.

The following are sample runs for the three images referred to in our report.

1. Image 1: aesop fox.png

Command line argument and standard out.

The Fox & the Grapes

A Fox one day spied a beautiful bunch of ripe grapes hanging from a vine trained along the branches of a tree. The grapes seemed ready to burst with juice, and the Fox's mouth watered as he gazed longingly at them.

The bunch hung from a high branch, and the Fox had to jump for it. The first time he jumped he missed it by a long way. So he walked off a short distance and took a running leap at it, only to fall short once more. Again and again he tried, but in vain.

Now he sat down and looked at the grapes in disgust.

"What a fool I am," he said. "Here I am wearing myself out to get a bunch of sour grapes that are not worth gaping for."

And off he walked very, very scornfully.

There are many who pretend to despise and belittle that which is beyond their reach.

Original input image aesop fox.png, unprocessed.

The Fox & the Grapes

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And off he walked very, very scornfully.

There are many who pretend to despise and belittle that which is beyond their reach.

Processed input image aesop_fox_thresh.png.

The Fox 8: the Grapes

A Fox one day spied a beautiful bunch of ripe grapes hangingtrom a vine trained along the branches of a tree° The grapes seemed ready to burst with juice, and the Fox's mouth watered as he gazed longingly at them.

The bunch hung from a high branch, and the Fox had to jump for it. The first time he jumped he missed it by along way. So he walked off a short distance and took a running leap at it, only to fall short once more. Again and again he tried, but in vain"

Now he sat down and looked at the grapes in disgust,

"What a tool i am," he said. "Here i am wearing myself out to get a bunch of sour grapes that are not worth gaping foro"

And off he walked very, yery scorntully.

There are many who pretend to despise and belittle that which is beyond their reach.

Text output in English. (aesop fox output.txt)

El zorro 8: las uvas

Un zorro un día vio un hermoso racimo de maduros Uvas que cuelgan de una vid entrenada a lo largo Ramas de un árbol ° Las uvas parecían listas para Ráfaga de jugo, y la boca del zorro se Los contemplaba con ansia.

El racimo colgaba de una rama alta, y el Fox tuvo que saltar por ella. La primera vez que saltó Él lo perdió a lo largo del camino. Así que se fue de un Corta distancia y dio un salto de carrera en ella, sólo Para quedarse corto una vez más. Una y otra vez intentó, pero en vano"

Ahora se sentó y miró las uvas asco,

"Qué herramienta soy", dijo. "Aquí estoy Poniéndome a mi lado para obtener un montón de uvas agrias Que no vale la pena boquiabierto foro "

Y él caminó muy, yy scorntully.

Hay muchos que pretenden despreciar y menospreciar eso Que está fuera de su alcance.

Text output in Spanish. (aesop_fox_output_es.txt)

2. Image 2: hand cat.png

Command line argument and standard out.

```
The Cat and the Mouse

There was once a cat who was so watchful, that a mouse hardly dored to show the tip of his whiskers for fear of being caten alive. The cat seemed to be everywhere at once with his claws all ready for a pounce.
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Original input image hand_cat.png, unprocessed.

The Cat and the Mouse

There was once a cat who was so watchful, that a mouse hardly dored to show the tip of his whiskers for fear of being caten alive. The cat seemed to be everywhere at once with his claws all ready for a pounce.

Processed input image hand_cat_thresh.png.

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TIM Cat and "ii/'5 WW

Wage was we a cwé who was so wafdflwa/ mi (A mouse

Mrdly ØW€d '30 Show m: if!) of his whiskers for gear 0—? $65.";

MW awe. We cod" seas/146d to be; eveO/whem a'é M re

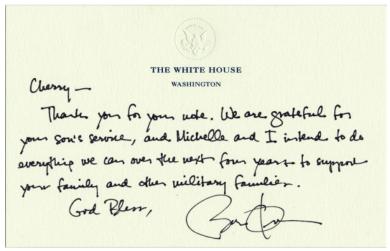
Witt/1 W5 chm-s a" a'ea37/ {éf

(A Fawn (<9 .
```

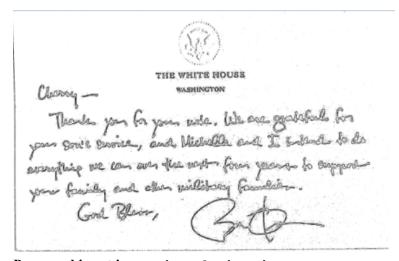
Text output in English. (hand cat output.txt)

3. Image 3: obama2.png

Command line argument and standard out.



Original input image obama2.png, unprocessed.



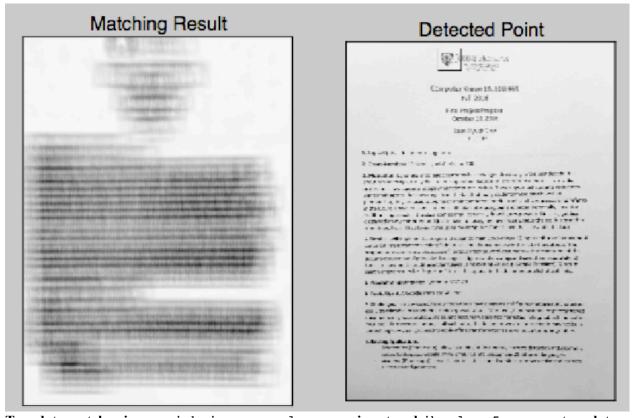
Processed input image obama2_thresh.png.



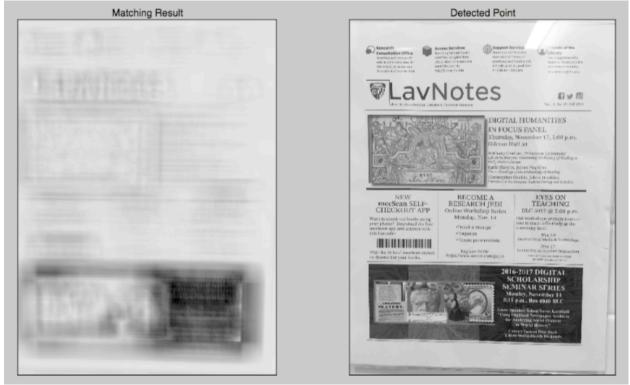
Text output in English. (obama2 output.txt)

Appendix B.

The following are additional template match outputs referred to in the report.



Template match using cv_jchoi_proposal.png as input and jhu_logo5.png as template.



Template match using lav_notes1.png as input and jhu_logo5.png as template.