

In []:

```
In [1]: img_ini=1
qtd_images=110
base=11

##### ocriIMG.show_images([xxxxx, xxxx, xxxx],[ 'xxxxx', 'xxxxxxxx', 'xxxxxxxxxx'])

##### image_path = path_img_meter + passo + "/" + nome_img_meter + "_" + passo + "XXXXXXXXXX" + ext_img_meter
##### ocriIMG.save_image(XXXXXXX, image_path)

%matplotlib inline

----- CONSTANTES
SHOW_PLOTS          = False           # Flag que controla a exibição dos gráficos
SHOW_IMAGES          = False          # Flag que controla a exibição de imagens resultantes dos passos de processamento
SHOW_LIMIT    = 20

RECONHECER          = True            # quantidade de classificadores utilizados
QTD_CLF              = 2

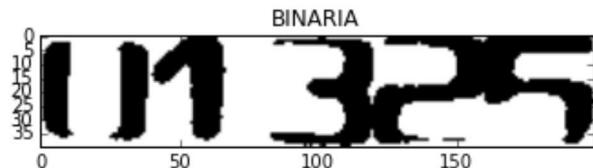
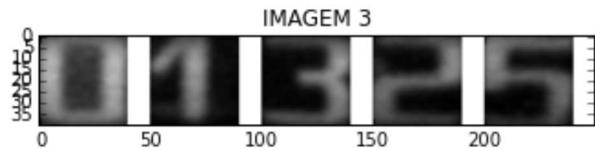
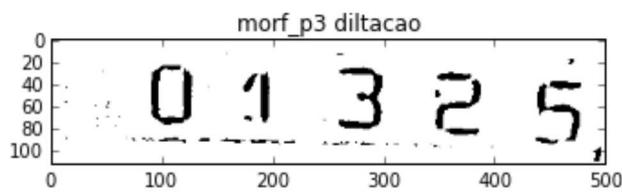
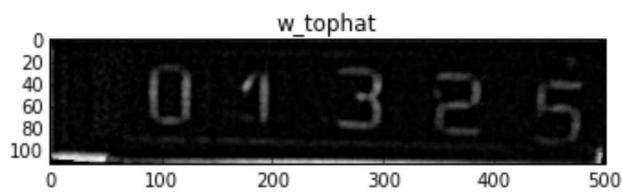
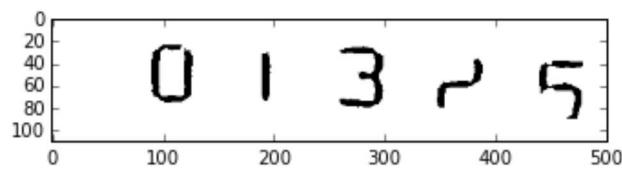
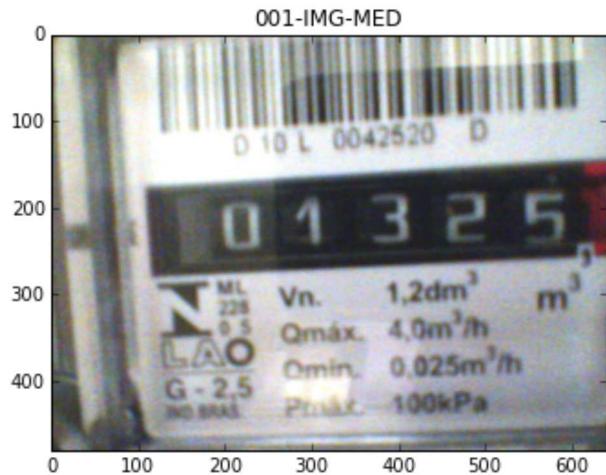
_ALTURA_MINIMA_ROI = 25             # altura mínima em linhas para ser considerada uma ROI

_WIN_SMOOTH          = 11             # Tamanho da janela para suavização do histograma de projeções
_WIN_PV               = 6              # Tamanho da janela para localização de picos e vales
_MIN_LIN_INTERV      = 25            # Tamanho mínimo para a área de picos/vales ser analisada
_PADDING_TOP_ROI     = 30            # Espaço de pixels para atribuir acima da linha de corte superior
_PADDING_BOTTOM_ROI   = 30            # Espaço de pixels para atribuir acima da linha de corte inferior
_PADDING_LEFT_ROI    = 25            # Espaço de pixels para atribuir a direita da coluna final
_PADDING_RIGHT_ROI   = 10             # Espaço de pixels para atribuir a esquerda da coluna final
_MAX_QTD_PIXELS_FROM_CENTER = 300        # Quantidade máxima de pixels para um BLOB ser candidato a dígito
_MIN_QTD_PIXELS_FROM_CENTER = 30        # Quantidade máxima de pixels para um BLOB ser candidato a dígito

#_HSL_PARAM = [ 15, 330, 30, 30, 10, 30, 40, 140, 195, 327, 480] # Parâmetros para execução do filtro HSL
_HSL_PARAM = [15, 330, 20, 20, 10, 30, 33, 140, 195, 327, 480] # Parâmetros para execução do filtro HSL

----- IMPORT DE IMPLEMENTAÇÕES
import ocr_img as ocriIMG
import ocr_pdi as ocriPDI
import ocr_util as ocriUTIL
import ocr_seg as ocriSEG
import ocr_ec as ocriEC
import ocr_ri as ocriRI
import ocr_db as ocriDB
```

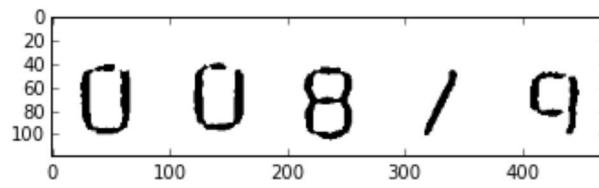
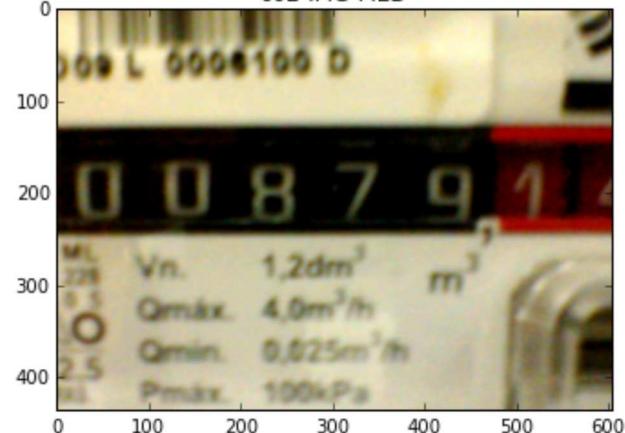
D:\Anaconda\lib\site-packages\ipykernel__main__.py:599: FutureWarning: comparison to `None` will result in an elementwise object comparison in the future.
D:\Anaconda\lib\site-packages\ipykernel__main__.py:602: FutureWarning: comparison to `None` will result in an elementwise object comparison in the future.
D:\Anaconda\lib\site-packages\ipykernel__main__.py:606: FutureWarning: comparison to `None` will result in an elementwise object comparison in the future.
D:\Anaconda\lib\site-packages\ipykernel__main__.py:594: FutureWarning: comparison to `None` will result in an elementwise object comparison in the future.



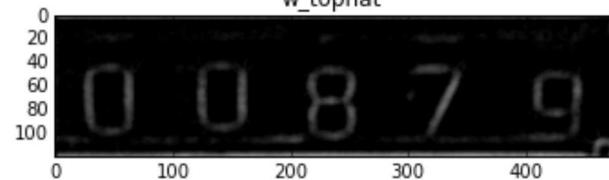
001-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	01325	[0 1 3 2 5]	OK	100%	0.23
ELM	01325	[0 1 3 2 5]	OK	100%	0.03

002-IMG-MED



w_tophat



morf_p3 diltacao

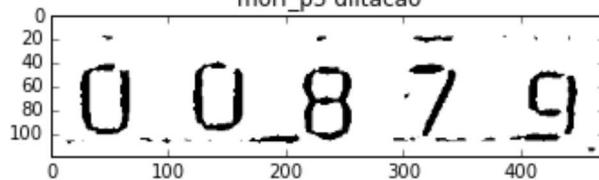
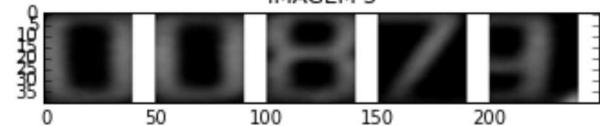


IMAGEM 3

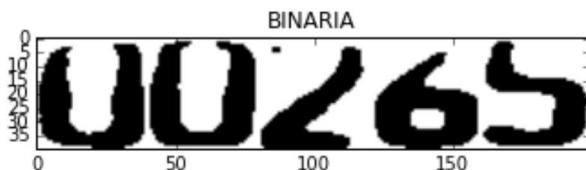
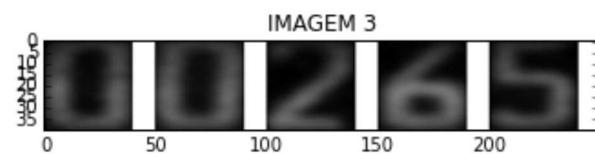
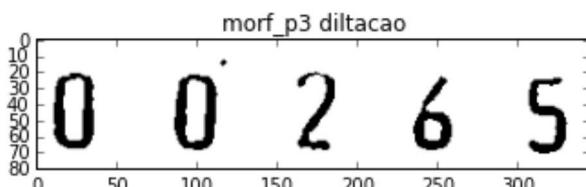
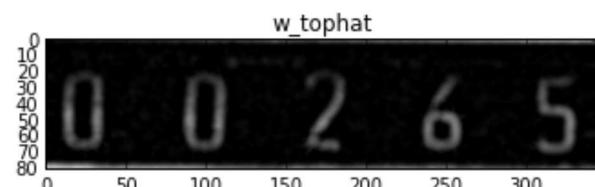
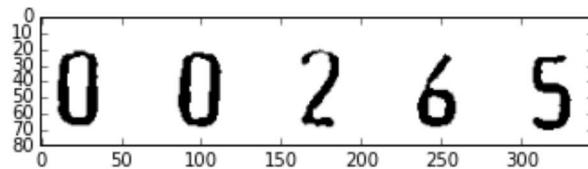
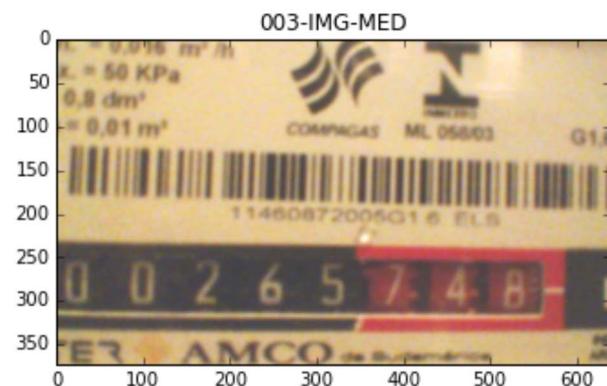


BINARIA



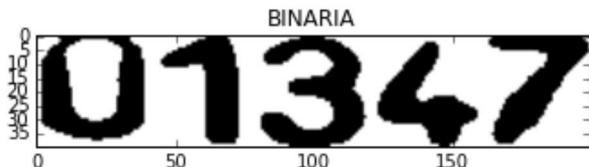
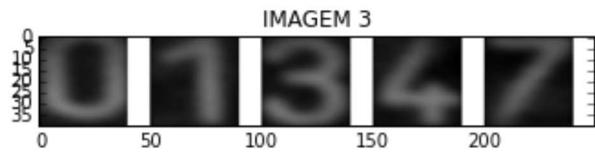
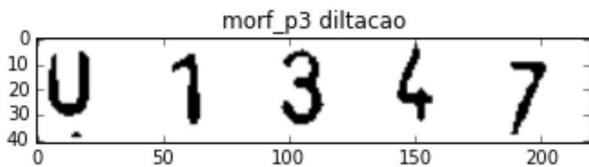
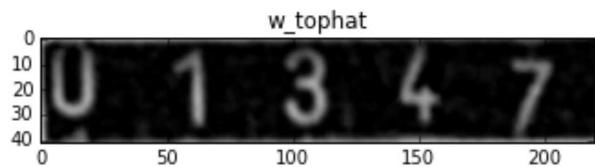
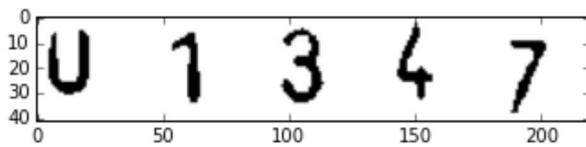
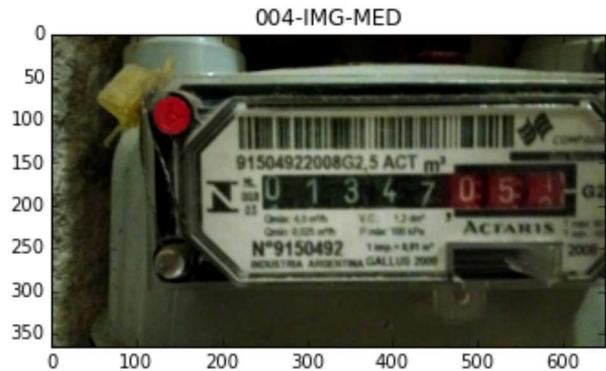
002-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00879	[0 0 8 7 1]	PARCIAL	80.0	0.28
ELM	00879	[0 0 8 7 1]	PARCIAL	80.0	0.05



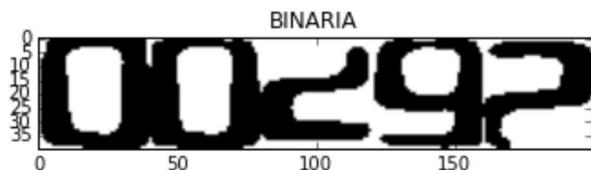
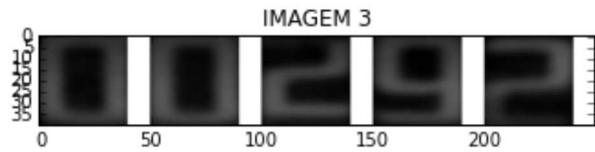
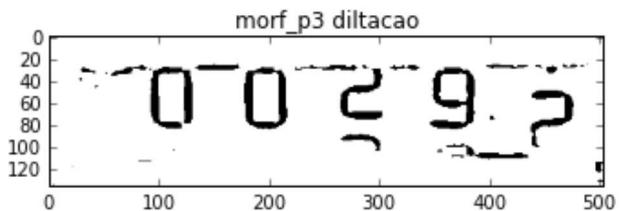
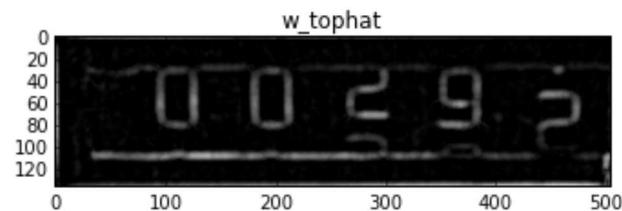
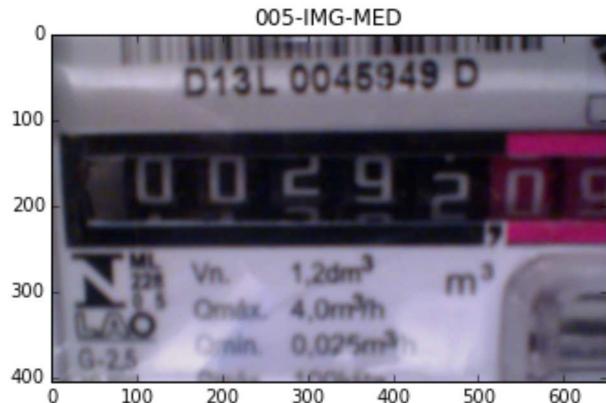
003-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00265	[8 8 2 6 5]	*INCORRETA*	60.0	0.33
ELM	00265	[0 0 2 6 5]	OK	100%	0.03



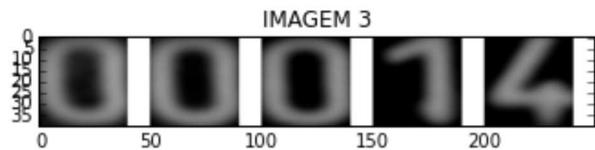
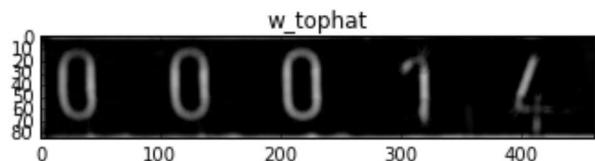
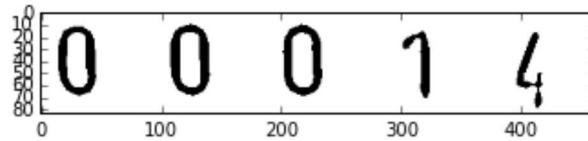
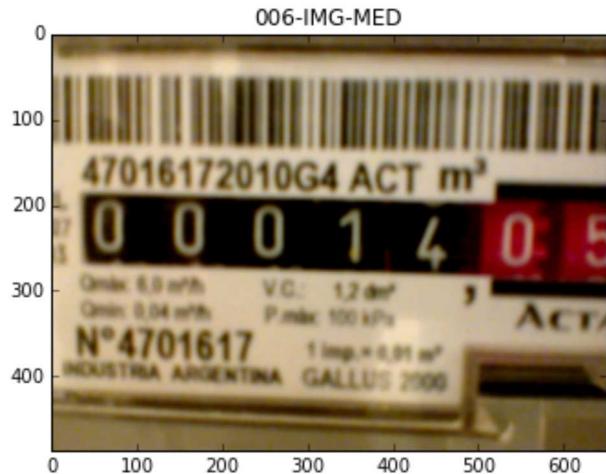
004-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	01347	[0 1 3 4 7]	OK	100%	0.21
ELM	01347	[0 1 3 4 7]	OK	100%	0.02



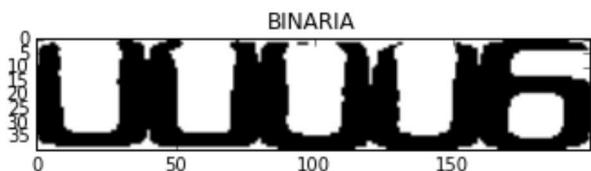
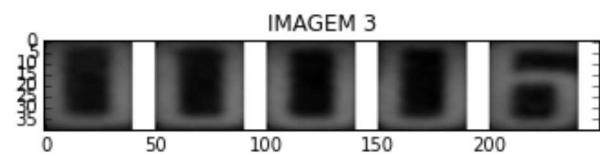
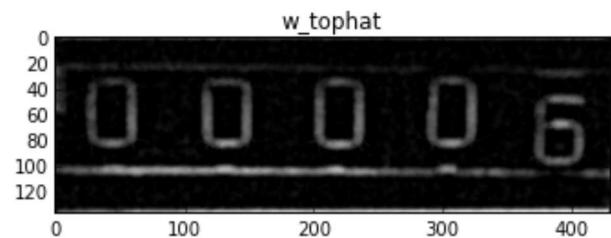
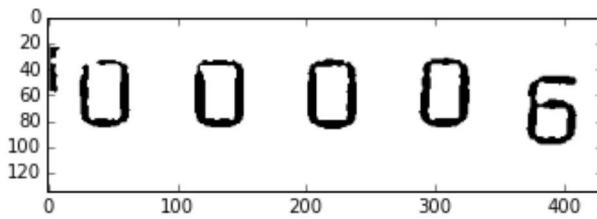
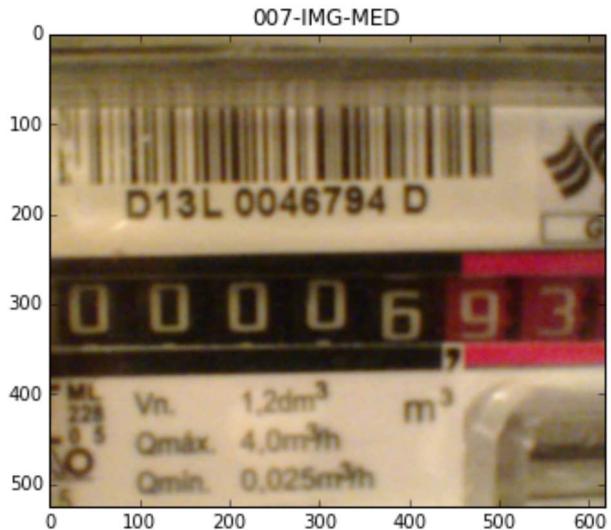
005-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00292	[8 8 2 9 2]	* INCORRETA*	60.0	0.2
ELM	00292	[0 0 2 9 2]	OK	100%	0.02



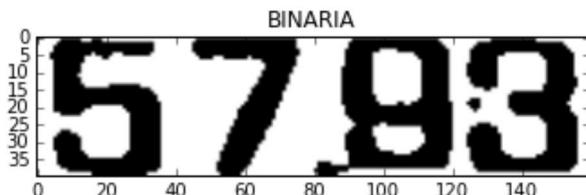
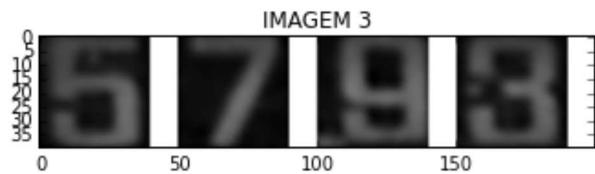
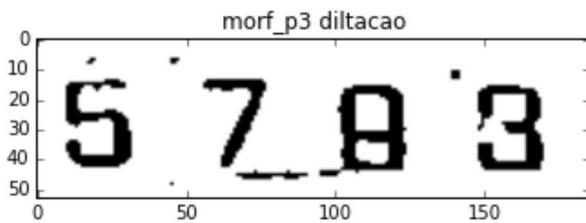
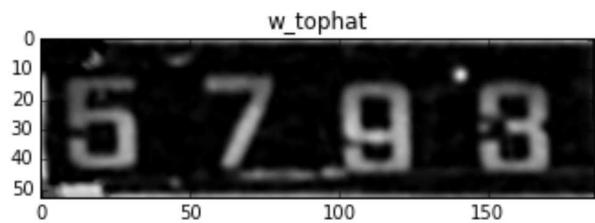
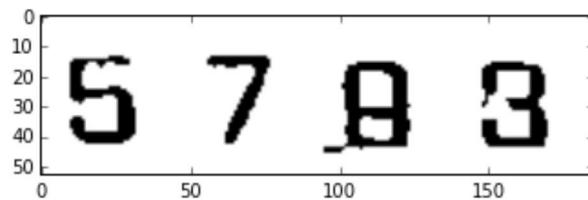
006-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00014	[0 0 0 3 4]	*INCORRETA*	80.0	0.21
ELM	00014	[0 0 0 1 4]	OK	100%	0.02



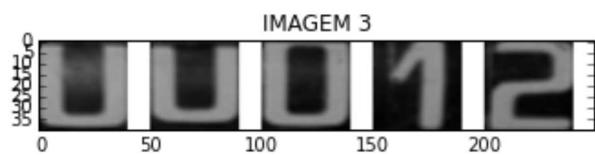
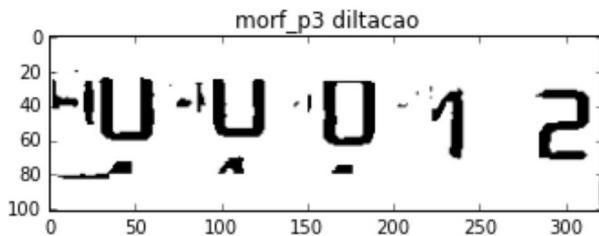
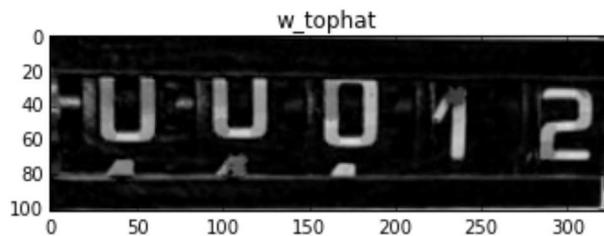
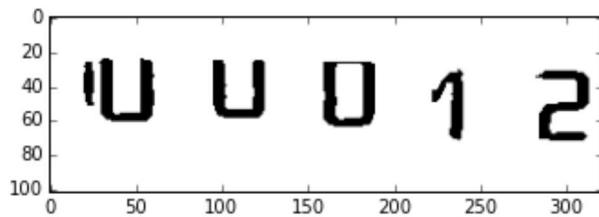
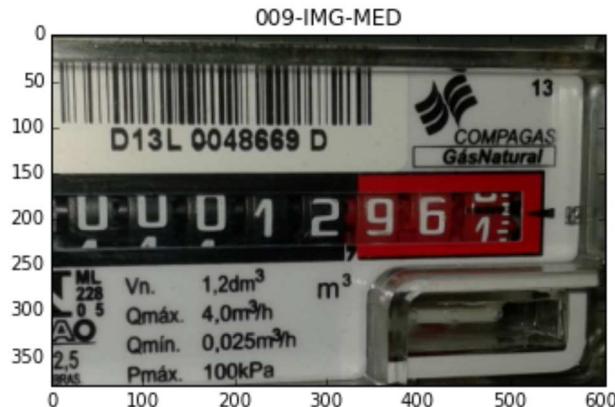
007-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00006	[8 0 0 0 6]	* INCORRETA *	80.0	0.2
ELM	00006	[0 0 0 0 5]	PARCIAL	80.0	0.02



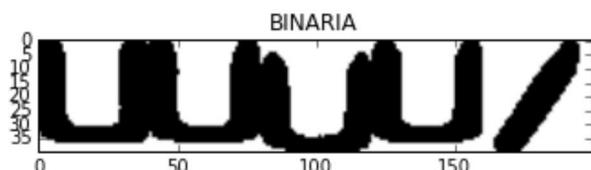
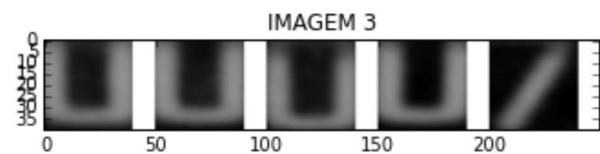
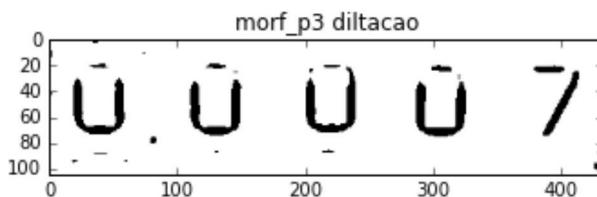
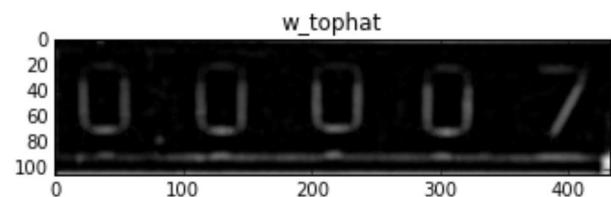
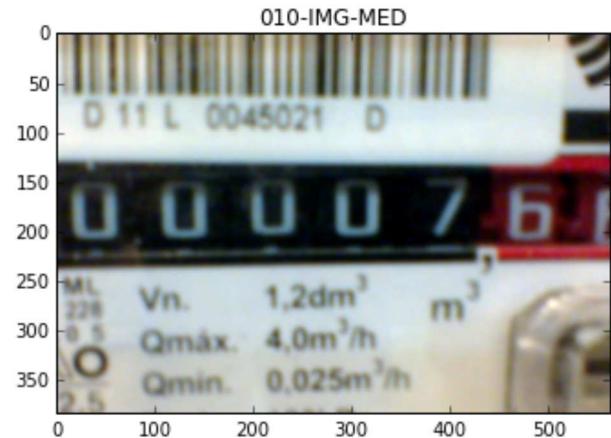
008-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	5793	[5 7 9 3]	OK	100%	0.2
ELM	5793	[5 7 9 3]	OK	100%	0.02



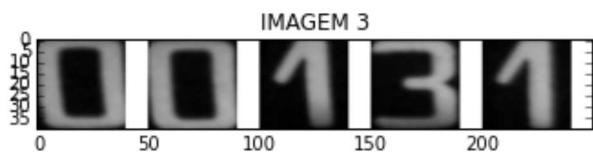
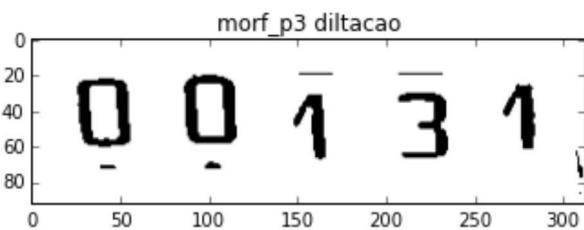
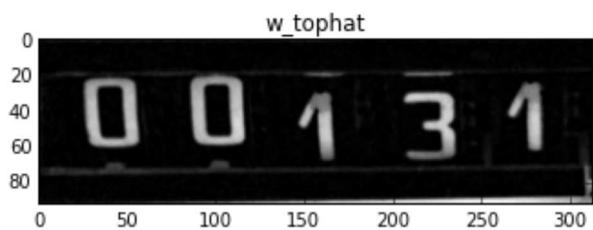
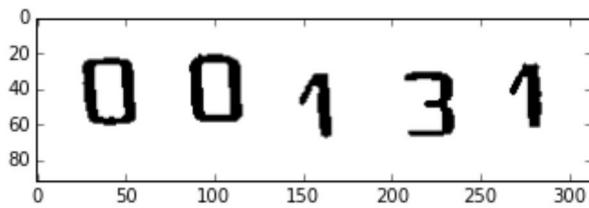
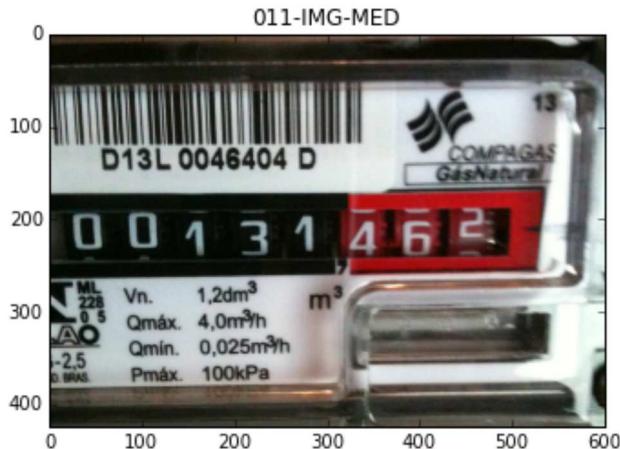
009-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00012	[6 0 0 1 2]	* INCORRETA*	80.0	0.23
ELM	00012	[6 0 0 1 2]	* INCORRETA*	80.0	0.03



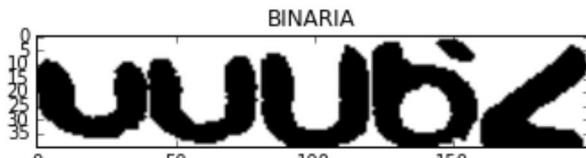
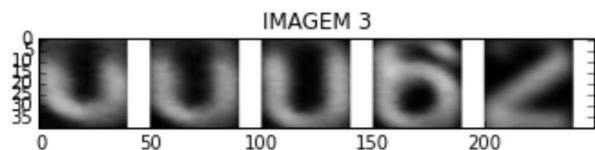
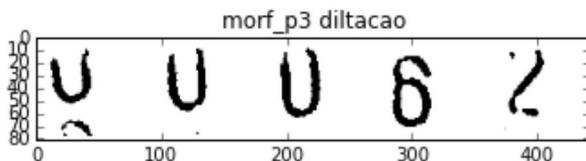
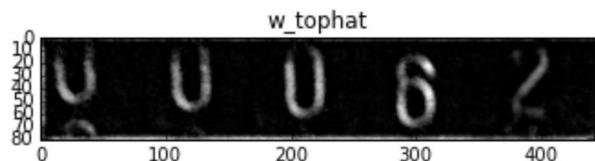
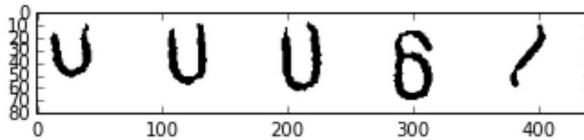
010-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00007	[0 0 0 0 7]	OK	100%	0.21
ELM	00007	[0 0 0 0 7]	OK	100%	0.02



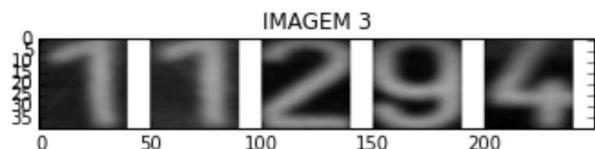
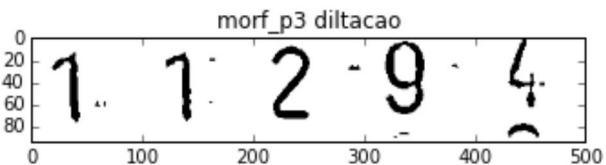
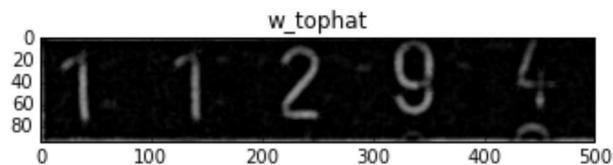
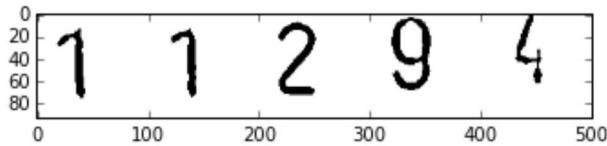
011-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00131	[0 0 1 3 1]	OK	100%	0.21
ELM	00131	[0 0 1 3 1]	OK	100%	0.02



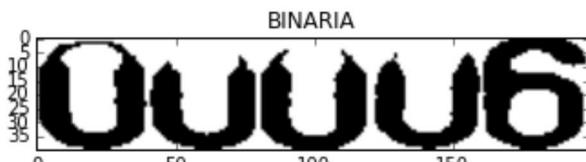
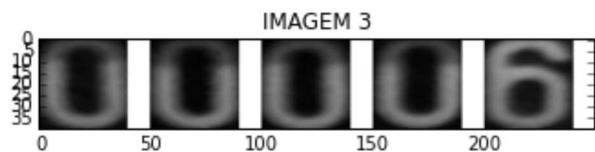
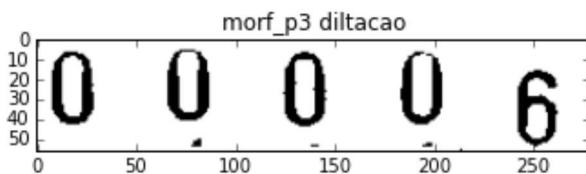
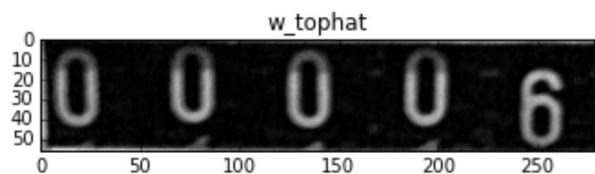
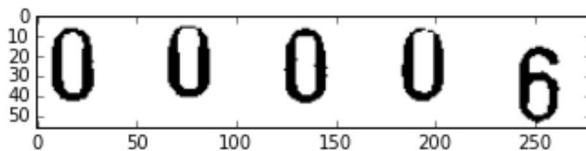
012-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00062	[0 0 0 6 2]	OK	100%	0.23
ELM	00062	[0 0 0 6 2]	OK	100%	0.02



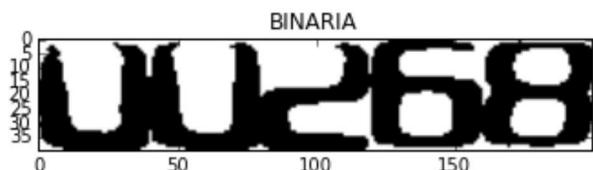
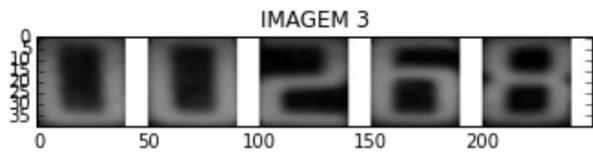
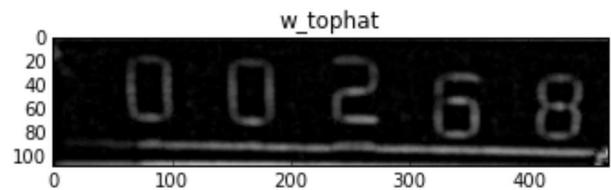
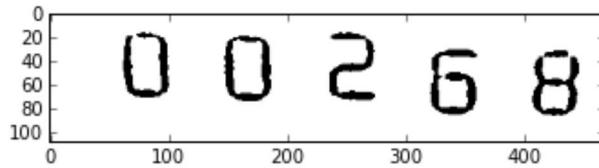
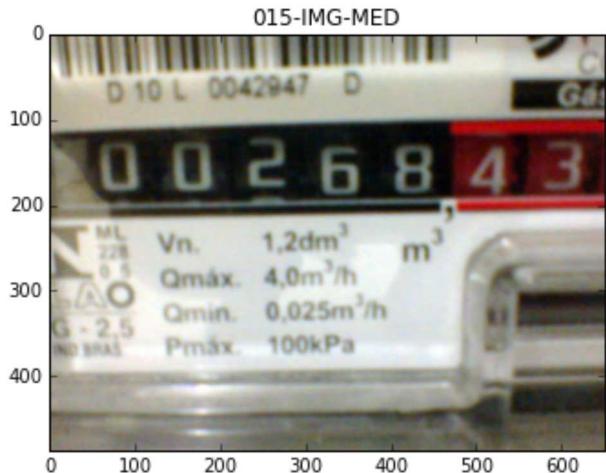
013-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	11294	[1 1 2 9 4]	OK	100%	0.2
ELM	11294	[1 1 2 9 4]	OK	100%	0.03



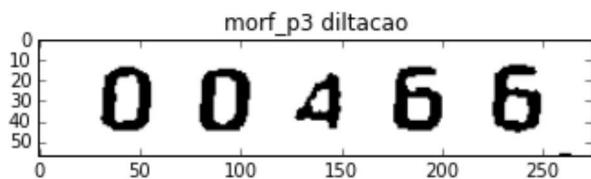
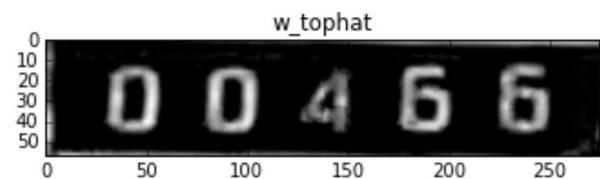
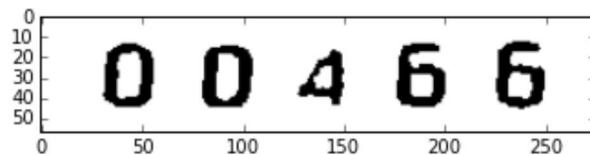
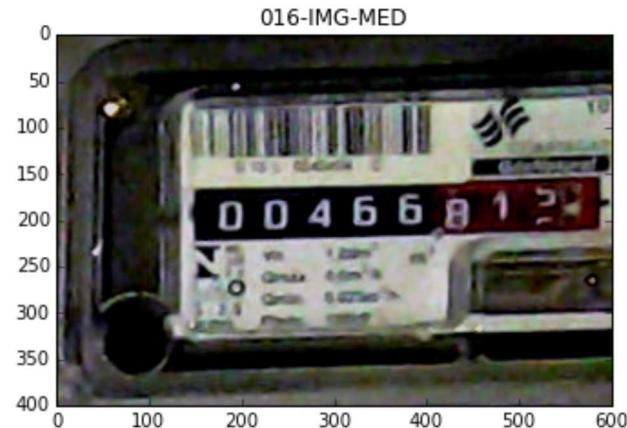
014-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00006	[0 0 0 0 6]	OK	100%	0.2
ELM	00006	[0 0 0 0 6]	OK	100%	0.02



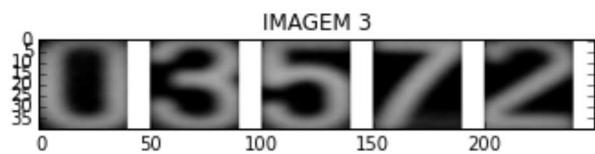
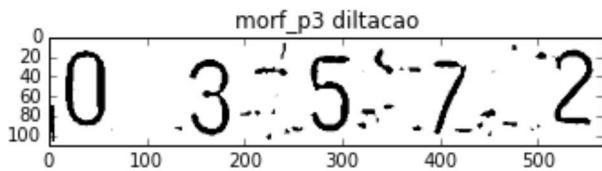
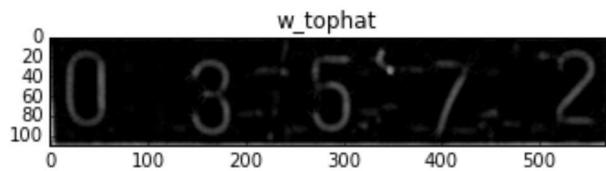
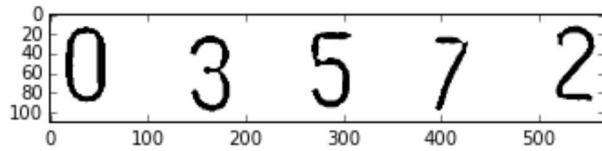
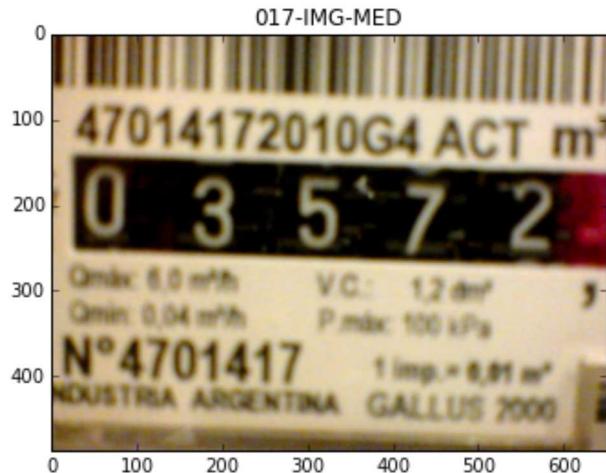
015-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00268	[0 0 2 6 8]	OK	100%	0.2
ELM	00268	[0 0 2 5 8]	*INCORRETA*	80.0	0.02



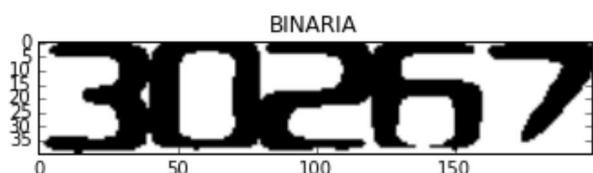
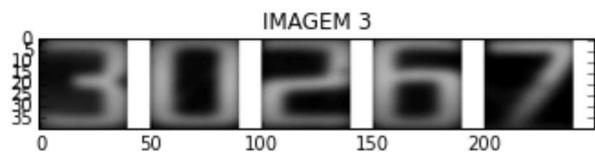
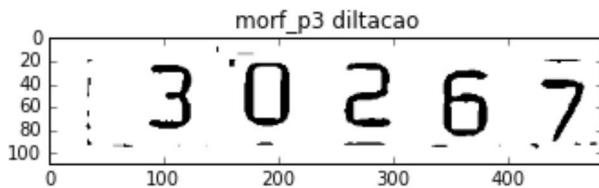
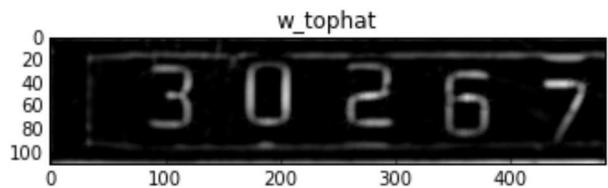
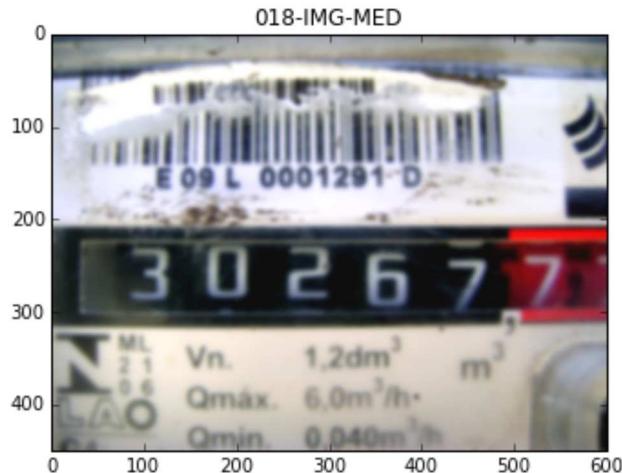
016-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00466	[0 0 4 6 6]	OK	100%	0.2
ELM	00466	[0 0 4 6 6]	OK	100%	0.02



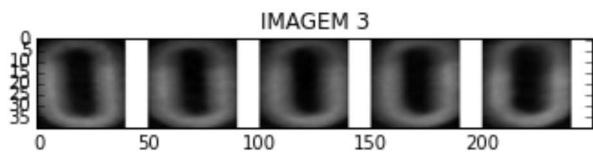
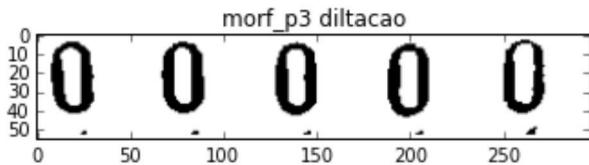
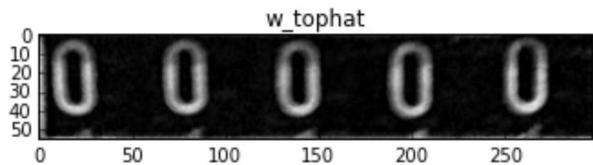
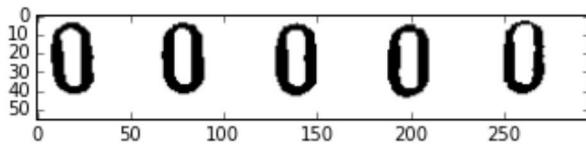
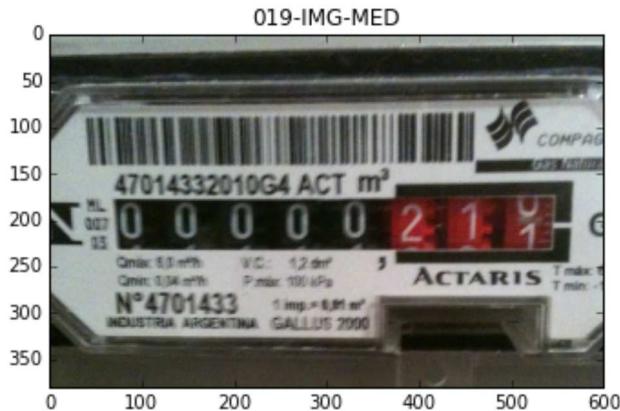
017-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	03572	[0 3 5 7 2]	OK	100%	0.2
ELM	03572	[0 3 5 7 2]	OK	100%	0.04



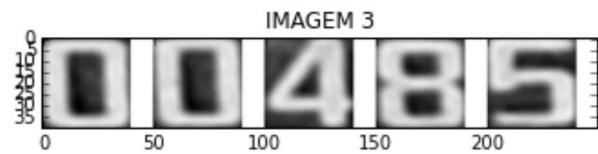
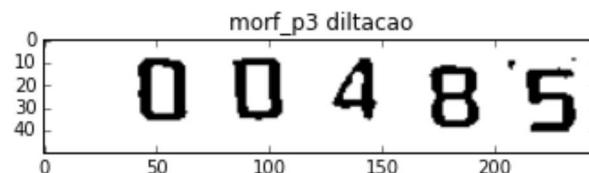
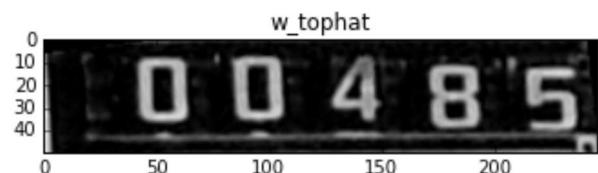
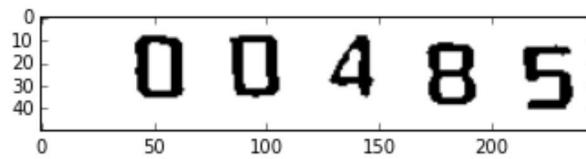
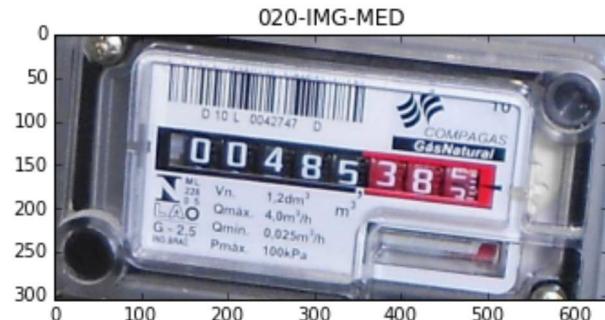
018-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	30267	[3 0 2 6 7]	OK	100%	0.2
ELM	30267	[3 0 2 6 7]	OK	100%	0.02



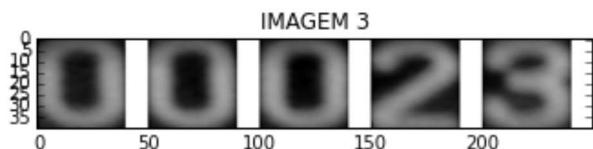
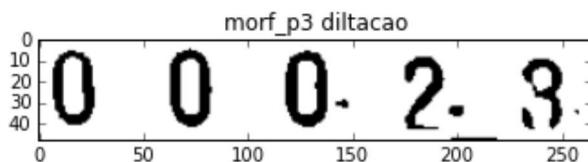
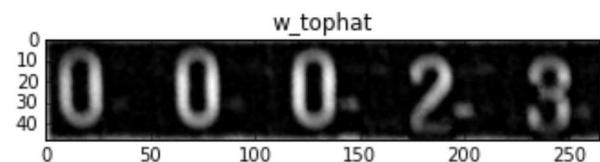
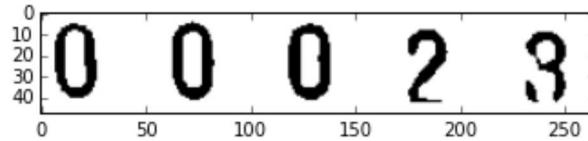
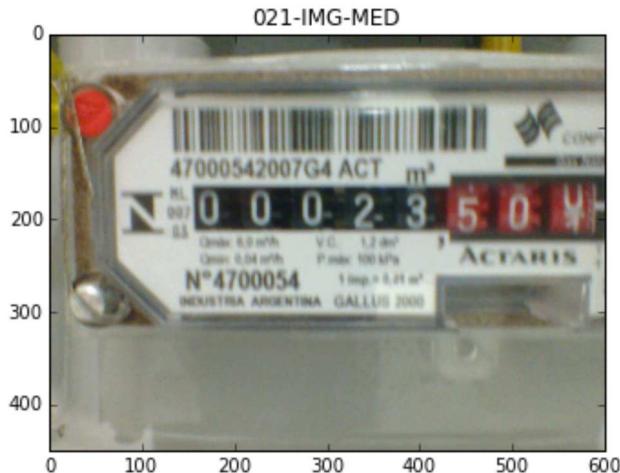
019-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00000	[0 0 0 0 0]	OK	100%	0.2
ELM	00000	[0 0 0 0 0]	OK	100%	0.03



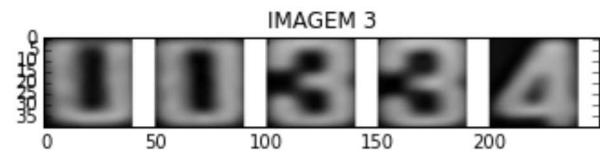
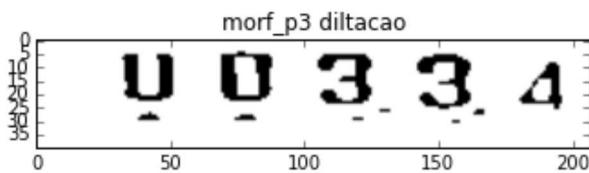
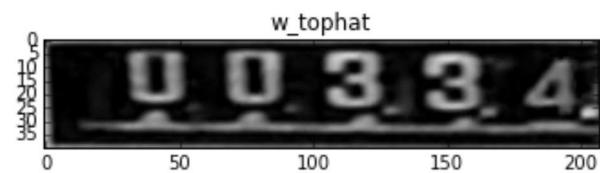
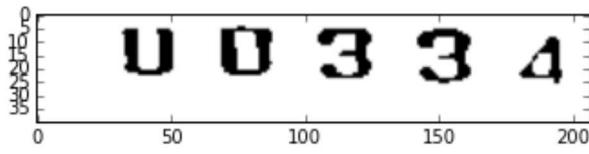
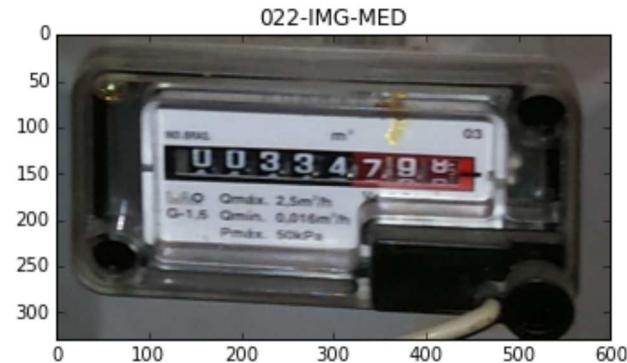
020-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00485	[0 0 4 8 5]	OK	100%	0.21
ELM	00485	[0 0 4 8 5]	OK	100%	0.04



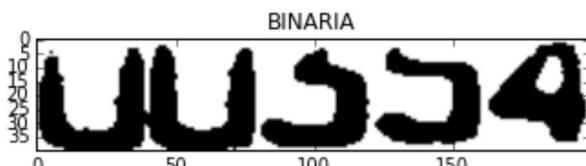
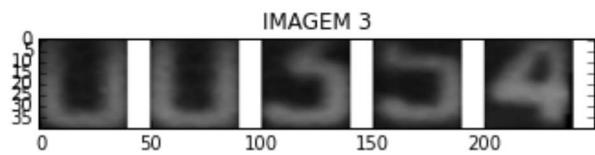
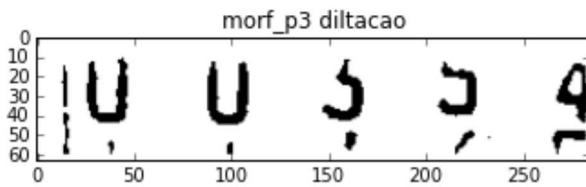
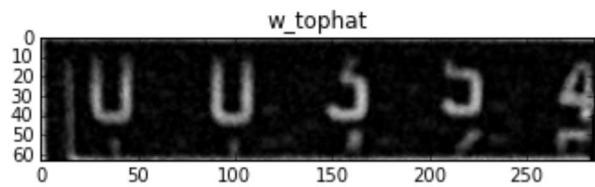
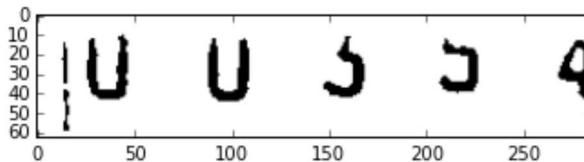
021-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00023	[0 0 0 2 3]	OK	100%	0.21
ELM	00023	[0 0 0 2 3]	OK	100%	0.03



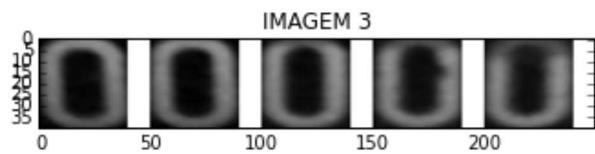
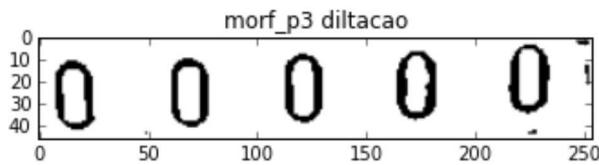
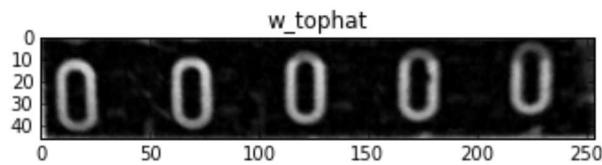
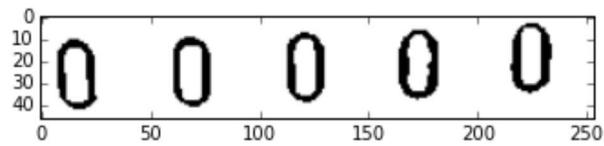
022-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00334	[0 0 3 3 4]	OK	100%	0.22
ELM	00334	[0 0 3 3 4]	OK	100%	0.03



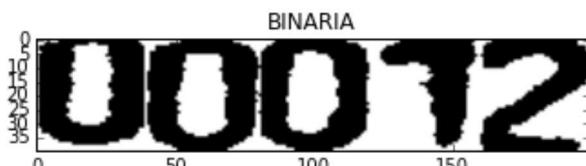
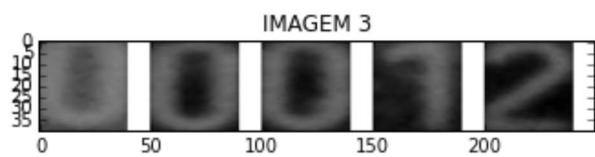
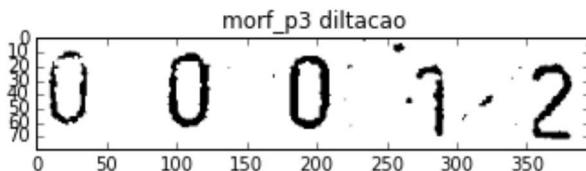
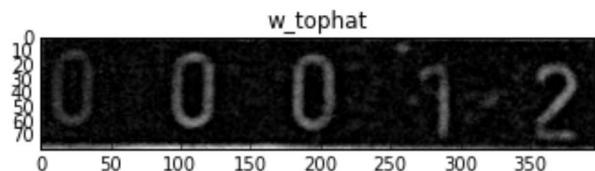
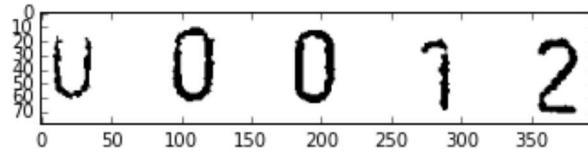
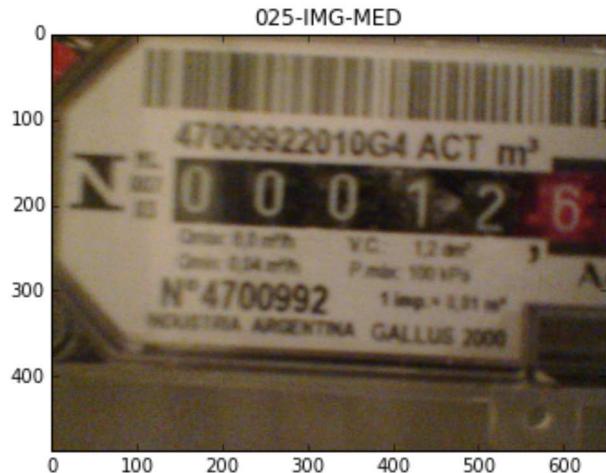
023-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00354	[8 8 3 5 4]	* INCORRETA*	60.0	0.22
ELM	00354	[0 0 3 3 4]	* INCORRETA*	80.0	0.04



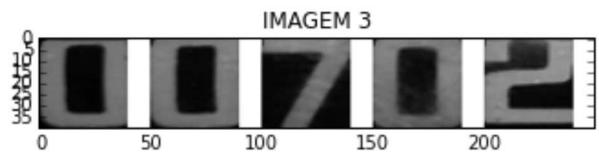
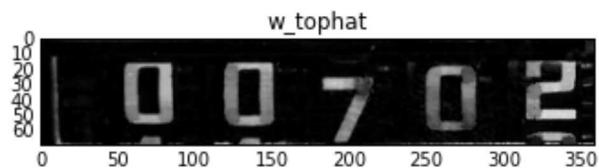
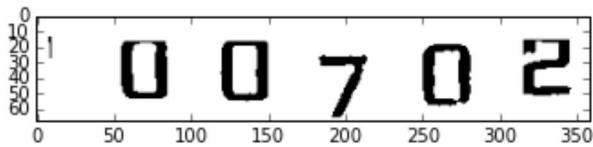
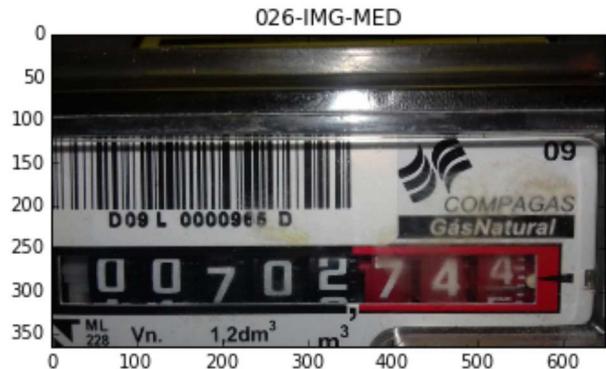
024-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00000	[0 0 0 0 0]	OK	100%	0.23
ELM	00000	[0 0 0 0 0]	OK	100%	0.02



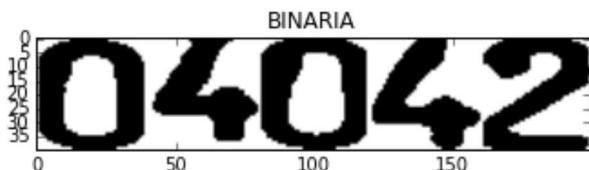
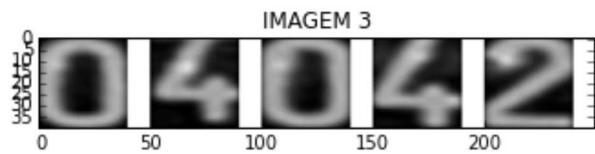
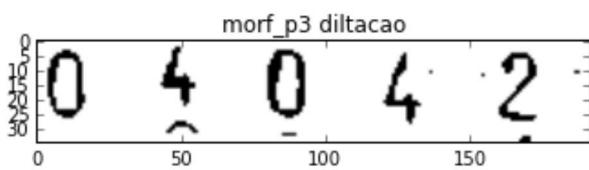
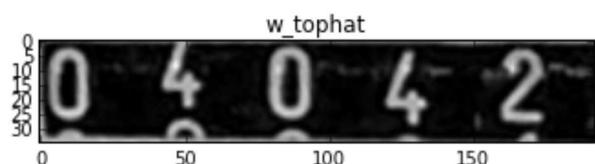
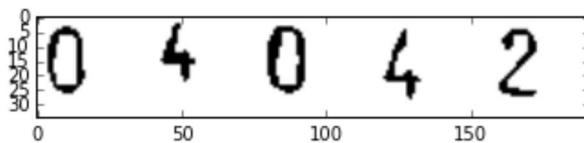
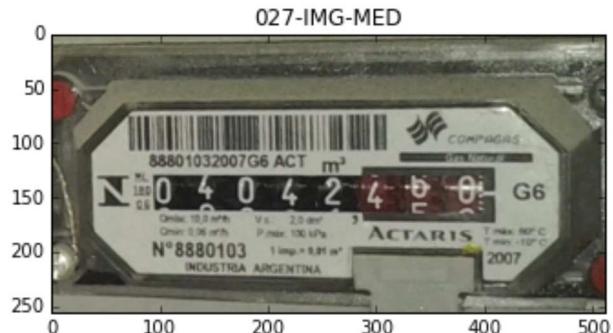
025-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00012	[0 0 0 3 2]	* INCORRETA*	80.0	0.22
ELM	00012	[0 0 0 3 2]	* INCORRETA*	80.0	0.02



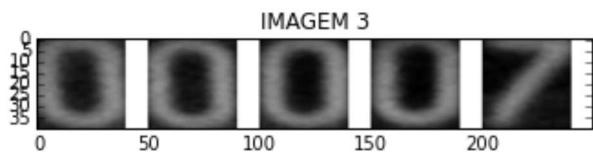
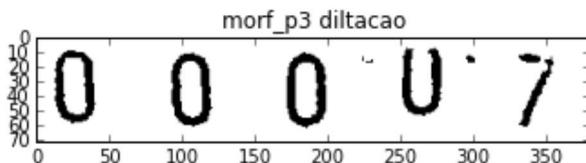
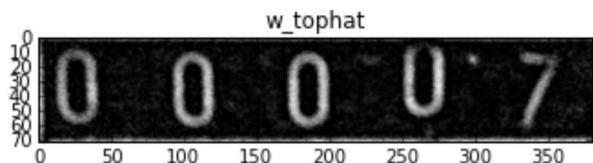
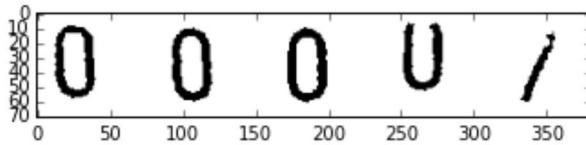
026-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00702	[0 0 7 0 2]	OK	100%	0.2
ELM	00702	[0 0 7 0 8]	PARCIAL	80.0	0.02



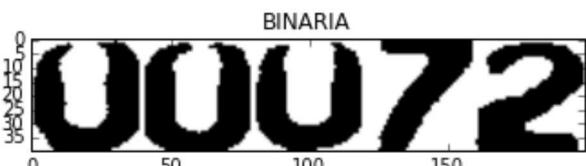
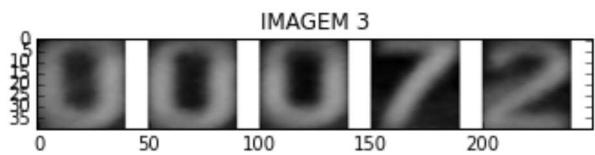
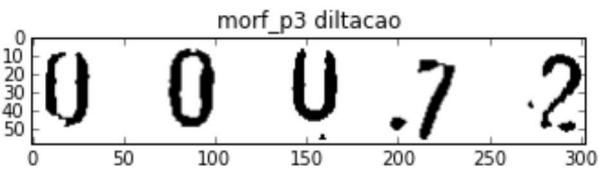
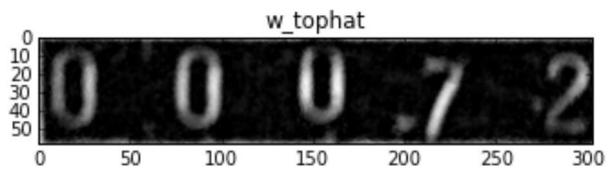
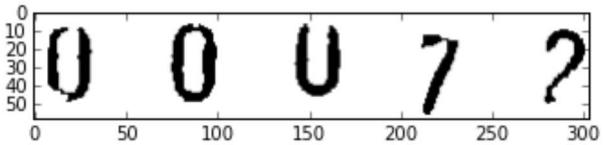
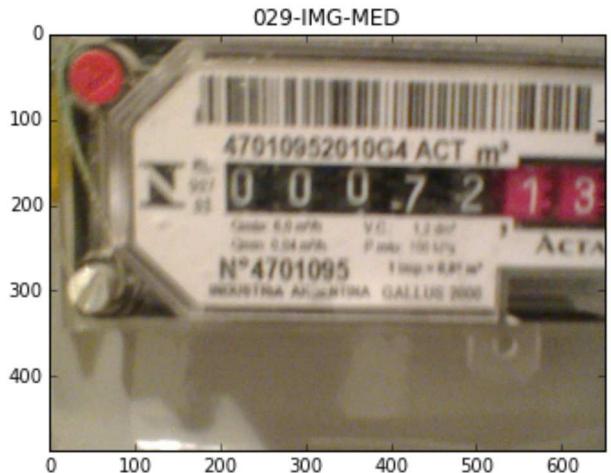
027-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	04042	[0 4 0 4 2]	OK	100%	0.21
ELM	04042	[0 1 0 4 2]	* INCORRETA *	80.0	0.02



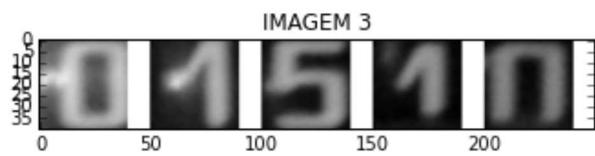
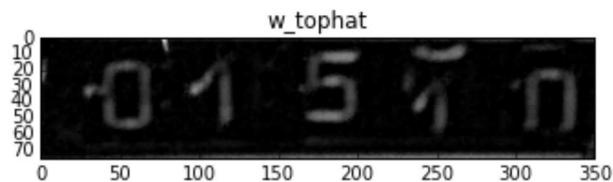
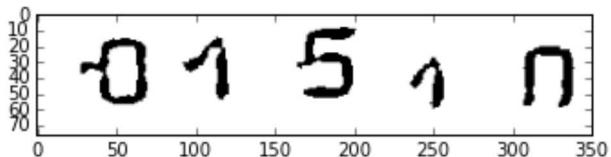
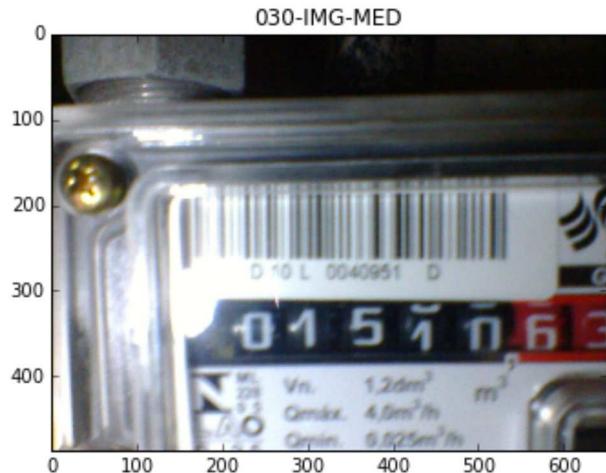
028-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00007	[0 0 0 0 7]	OK	100%	0.21
ELM	00007	[0 0 0 0 7]	OK	100%	0.02



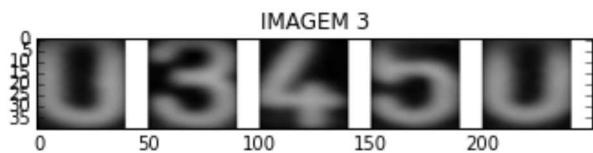
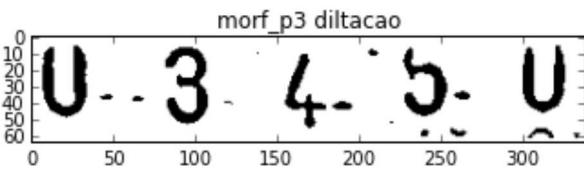
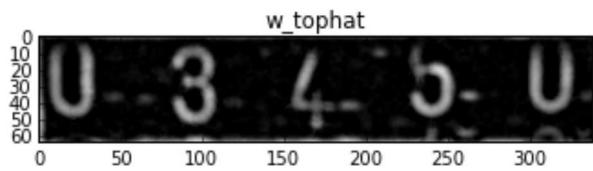
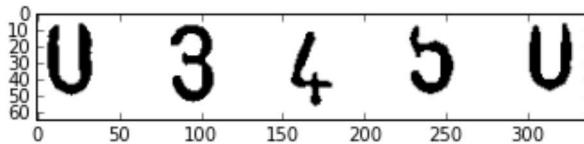
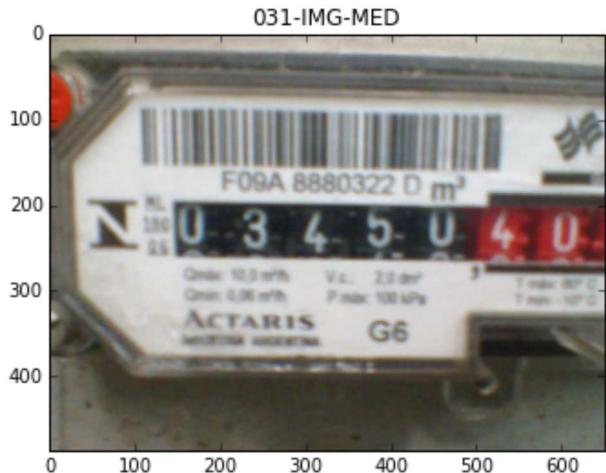
029-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00072	[0 0 0 7 2]	OK	100%	0.22
ELM	00072	[0 0 0 7 2]	OK	100%	0.03



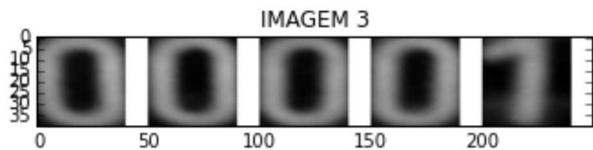
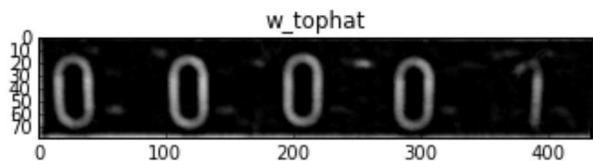
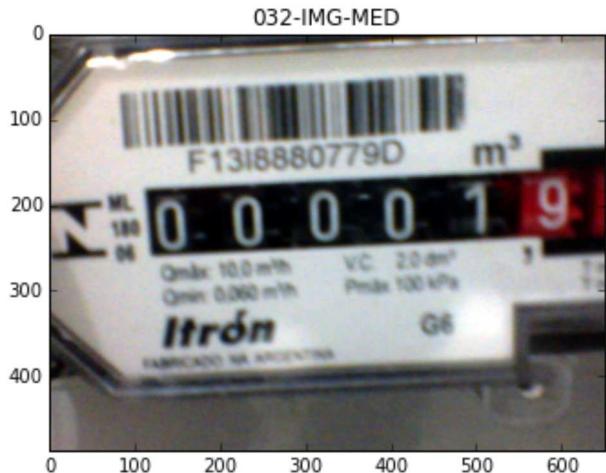
030-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	01510	[0 4 5 1 0]	* INCORRETA*	80.0	0.22
ELM	01510	[0 4 5 1 8]	* INCORRETA*	60.0	0.02



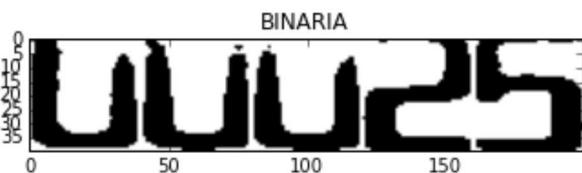
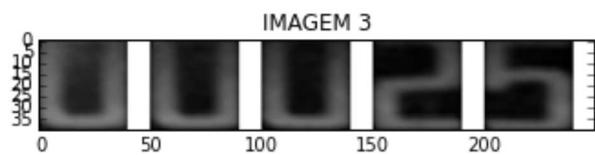
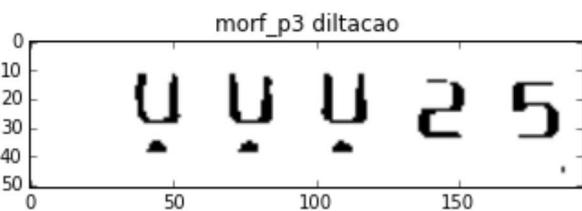
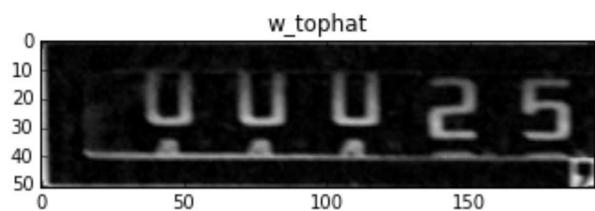
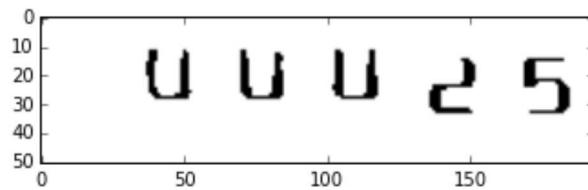
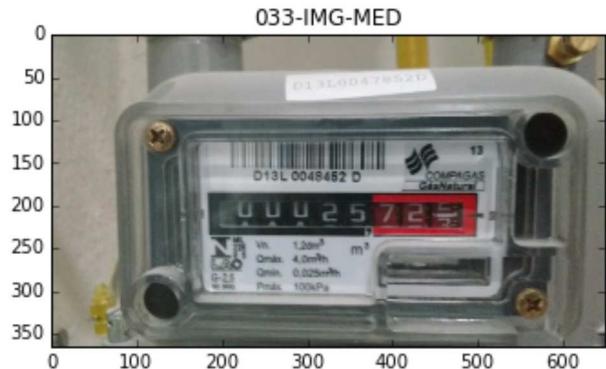
031-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	03450	[0 3 4 5 0]	OK	100%	0.21
ELM	03450	[0 3 9 5 0]	* INCORRETA *	80.0	0.02



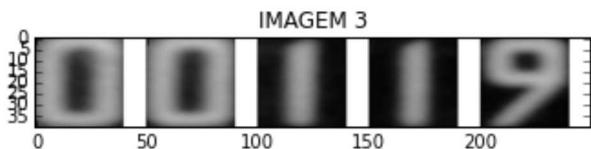
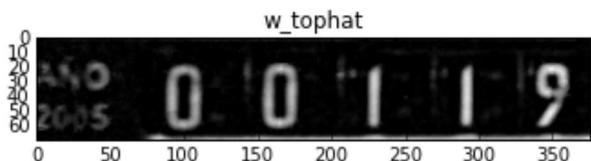
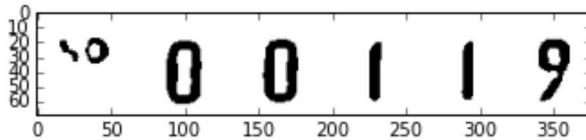
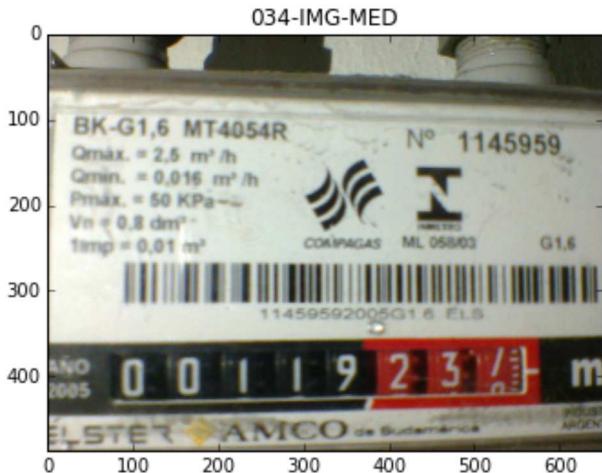
032-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00001	[0 0 0 0 1]	OK	100%	0.21
ELM	00001	[0 0 0 0 1]	OK	100%	0.02



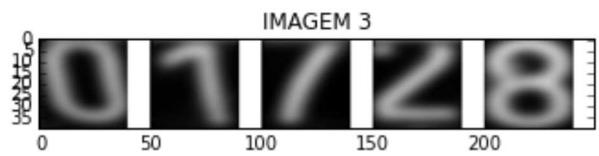
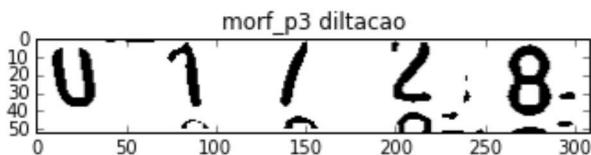
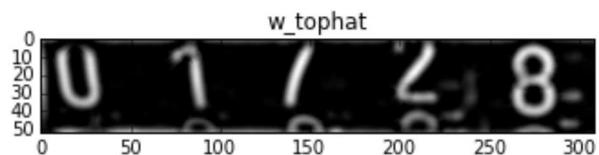
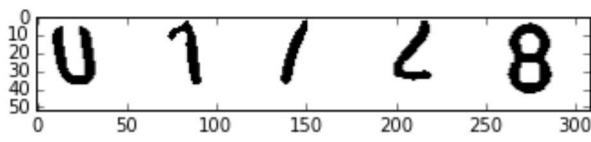
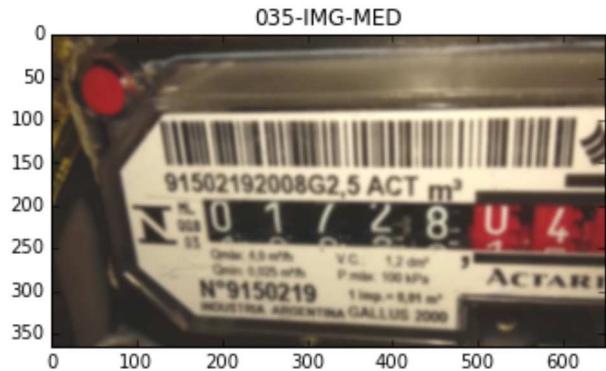
033-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00025	[8 0 8 2 5]	* INCORRETA*	60.0	0.21
ELM	00025	[0 0 0 2 5]	OK	100%	0.02



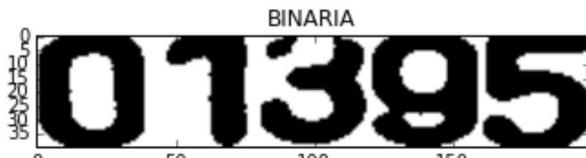
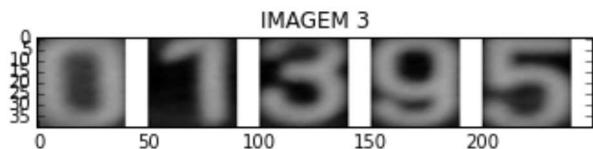
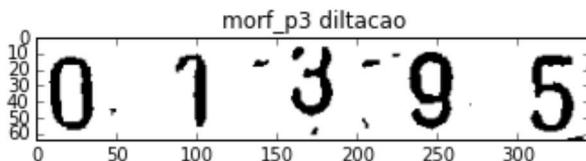
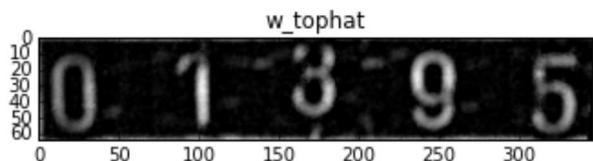
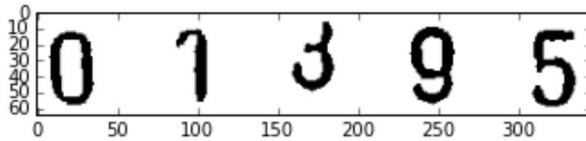
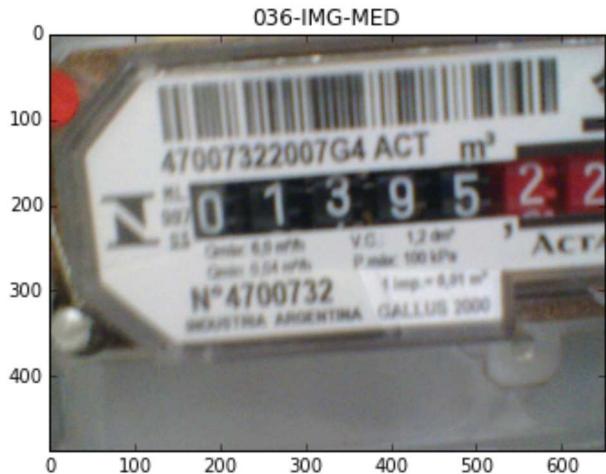
034-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00119	[0 0 1 1 9]	OK	100%	0.2
ELM	00119	[0 0 1 1 9]	OK	100%	0.02



035-IMG-MED

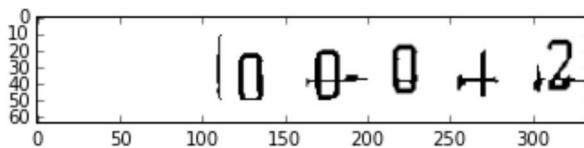
Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	01728	[0 1 7 2 8]	OK	100%	0.21
ELM	01728	[0 1 7 2 8]	OK	100%	0.02



036-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	01395	[0 1 3 9 5]	OK	100%	0.2
ELM	01395	[0 1 3 9 5]	OK	100%	0.03

037-IMG-MED



w_tophat



morf_p3 diltacao

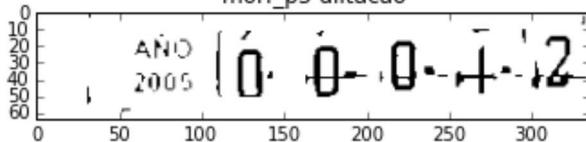
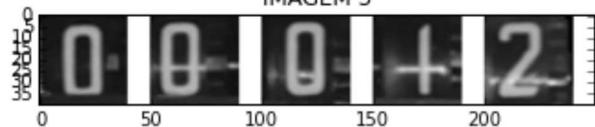
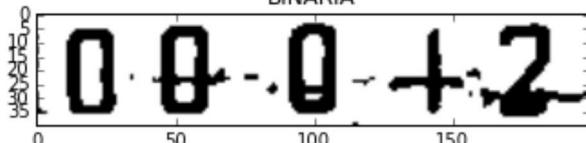


IMAGEM 3

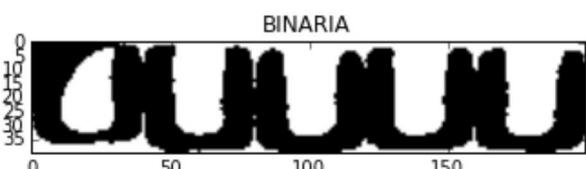
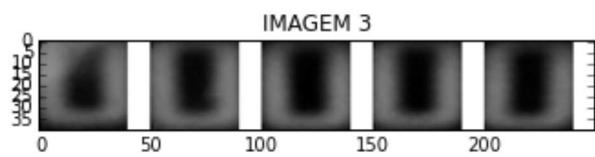
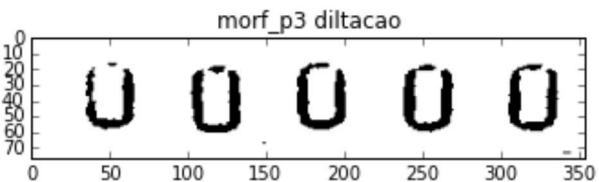
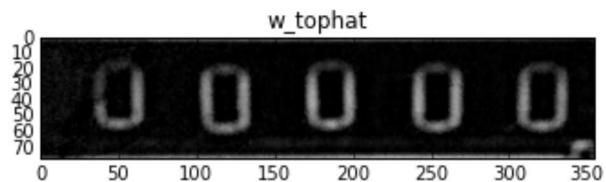
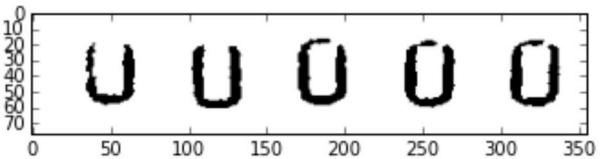
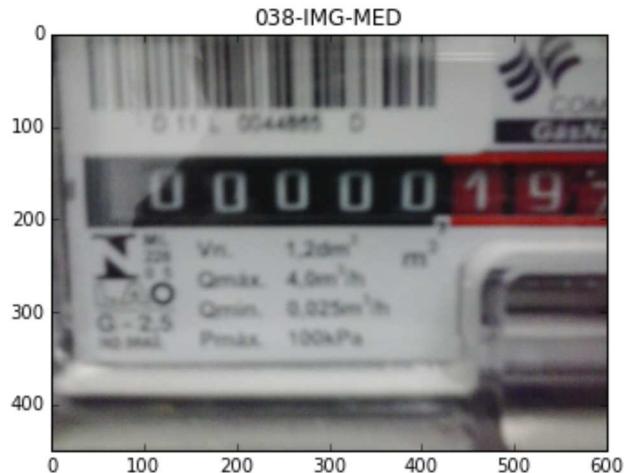


BINARIA



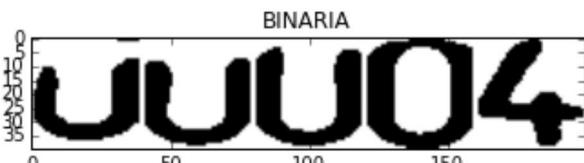
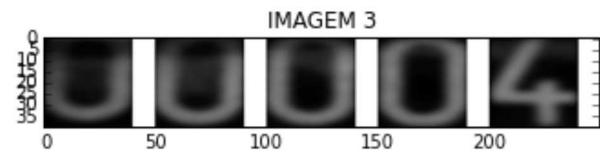
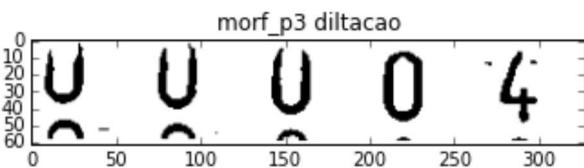
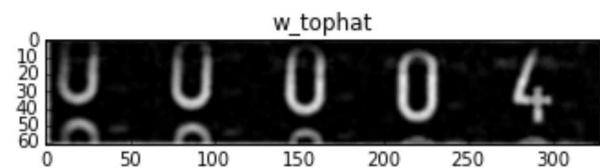
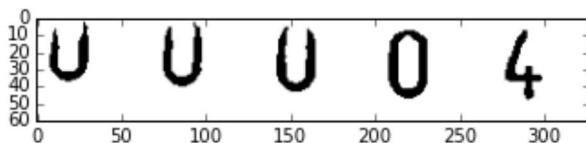
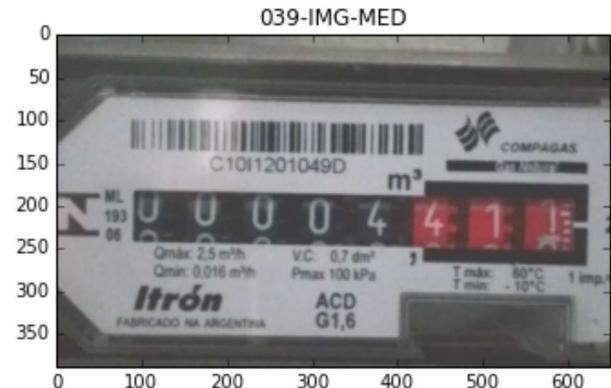
037-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00012	[1 6 1 4 1]	* INCORRETA*	20.0	0.22
ELM	00012	[7 5 7 7 2]	* INCORRETA*	20.0	0.03



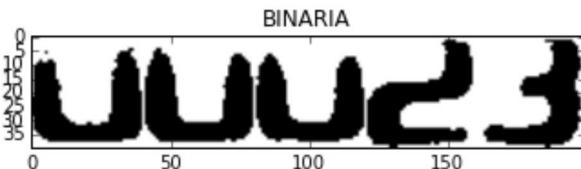
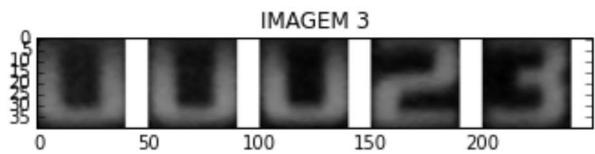
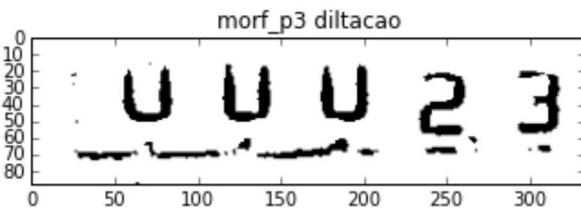
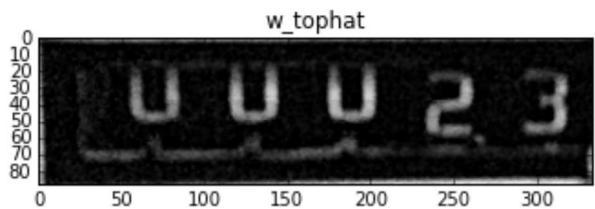
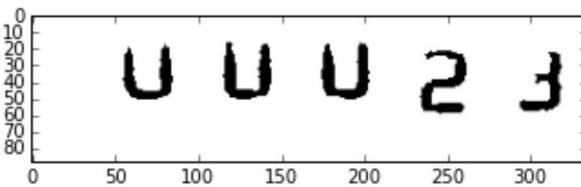
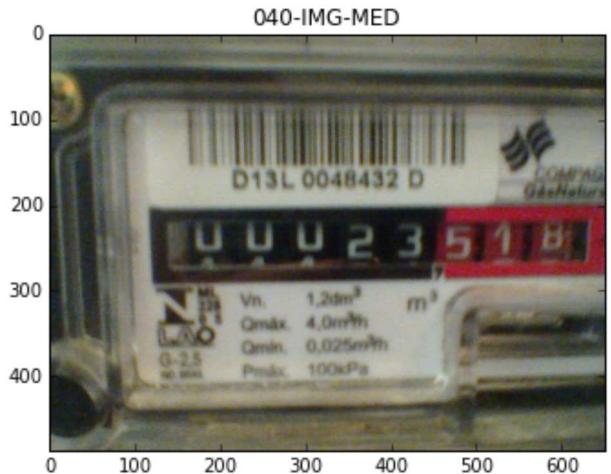
038-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00000	[0 0 0 0 0]	OK	100%	0.21
ELM	00000	[0 0 0 0 0]	OK	100%	0.03



039-IMG-MED

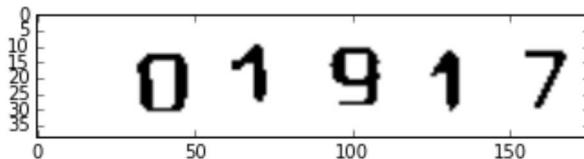
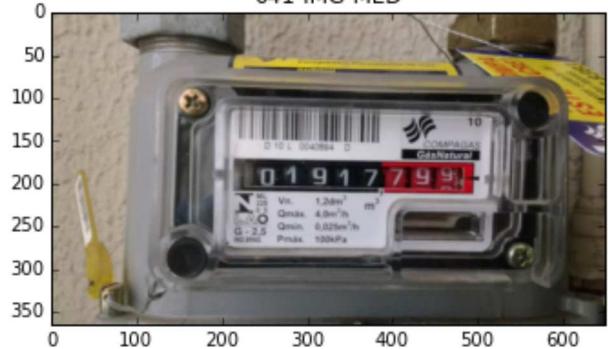
Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00004	[0 8 0 0 4]	* INCORRETA*	80.0	0.23
ELM	00004	[0 0 0 0 1]	PARCIAL	80.0	0.02



040-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00023	[0 0 0 2 3]	OK	100%	0.27
ELM	00023	[0 0 0 2 3]	OK	100%	0.03

041-IMG-MED



w_tophat



morf_p3 diltacao

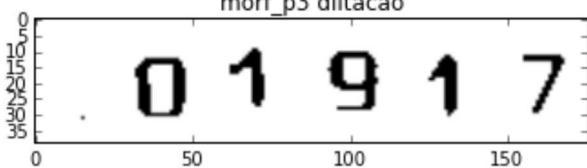
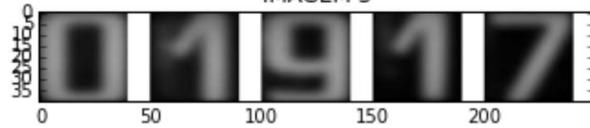


IMAGEM 3

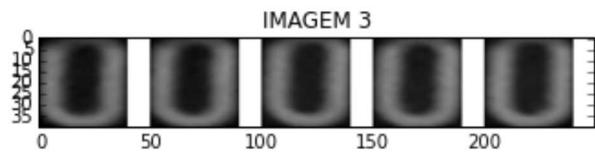
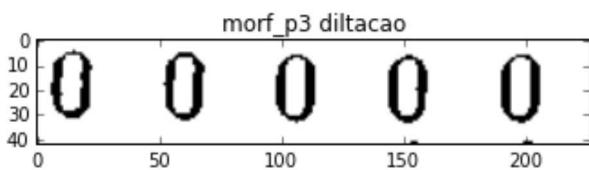
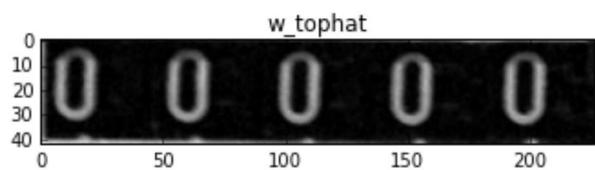
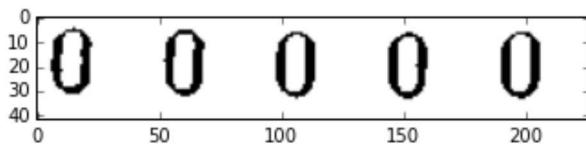
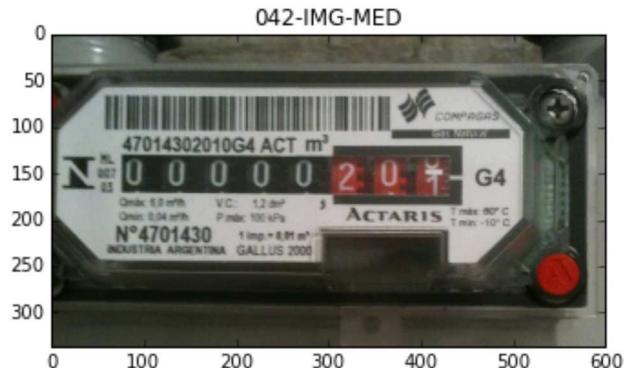


BINARIA



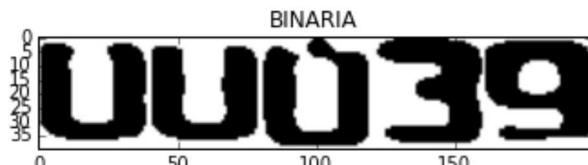
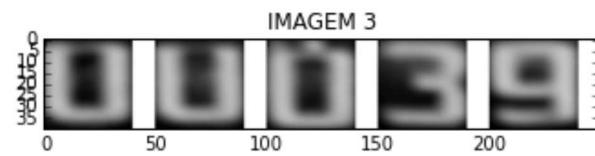
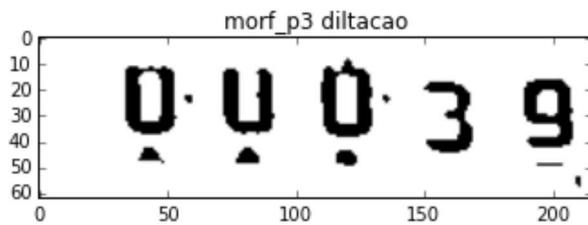
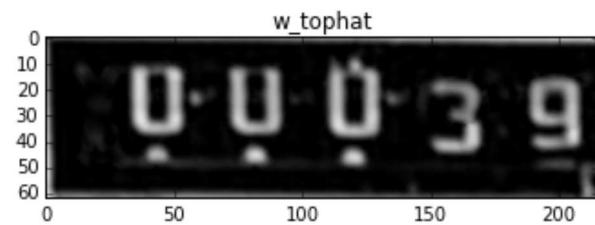
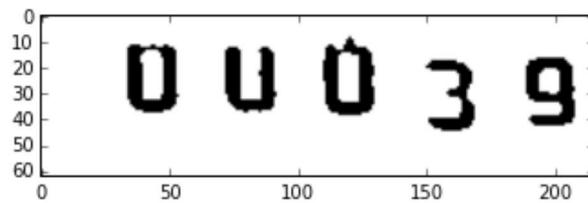
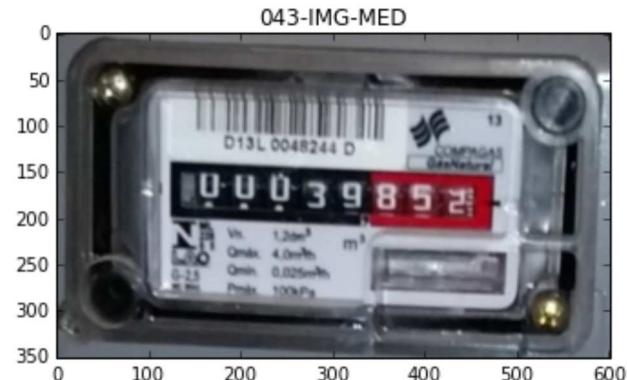
041-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	01917	[0 1 9 1 7]	OK	100%	0.25
ELM	01917	[0 1 9 1 7]	OK	100%	0.03



042-IMG-MED

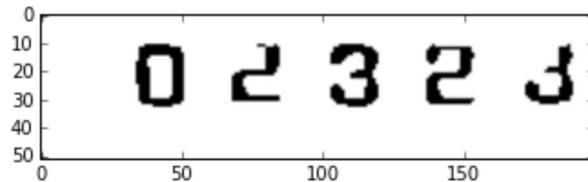
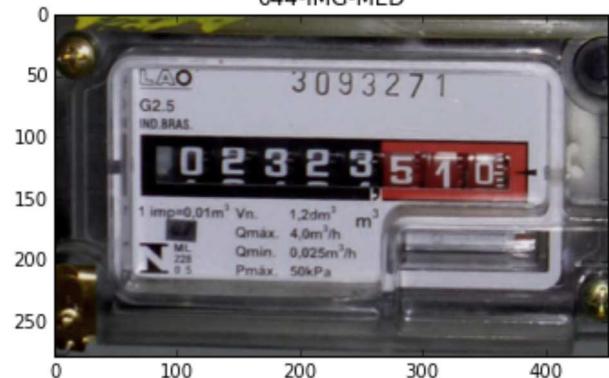
Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00000	[0 0 0 0 0]	OK	100%	0.21
ELM	00000	[0 0 0 0 0]	OK	100%	0.02



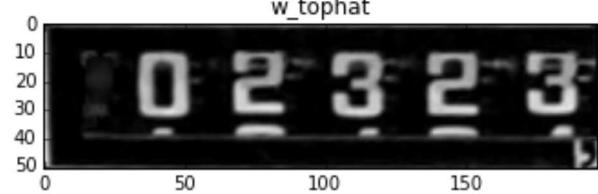
043-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00039	[0 0 0 3 9]	OK	100%	0.21
ELM	00039	[0 0 0 3 9]	OK	100%	0.02

044-IMG-MED



w_tophat



morf_p3 diltacao

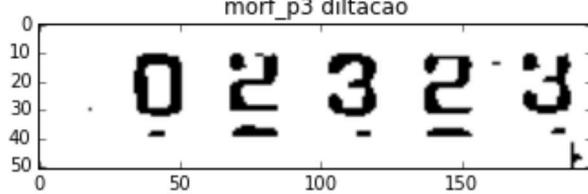
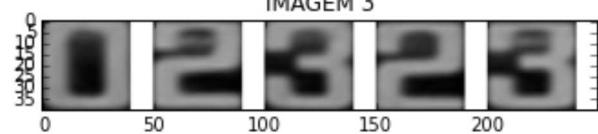
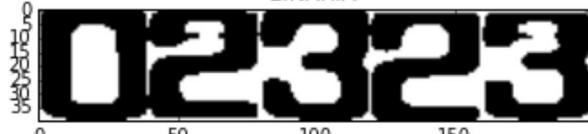


IMAGEM 3

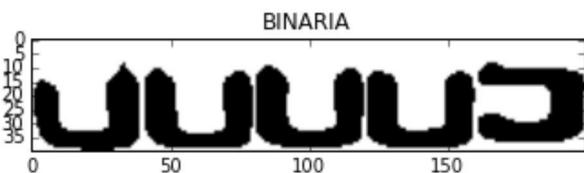
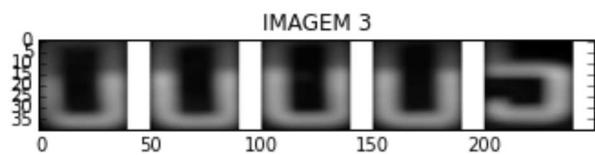
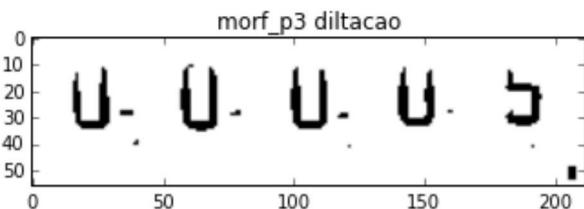
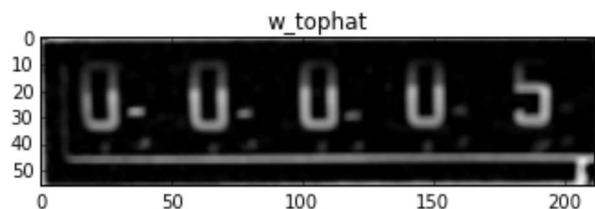
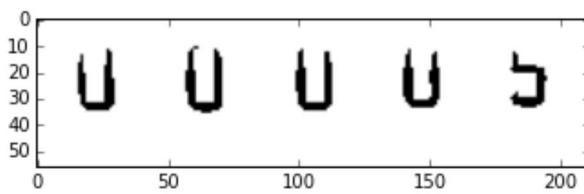
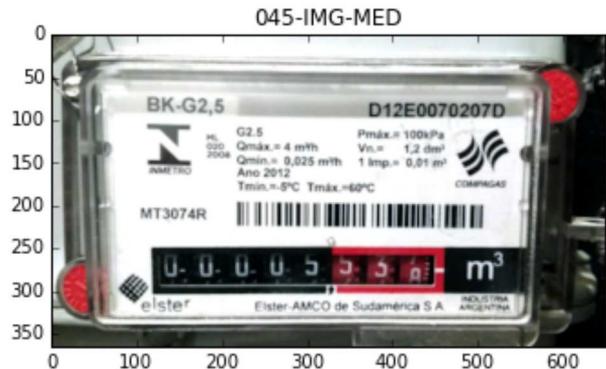


BINARIA



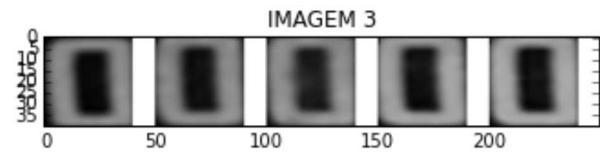
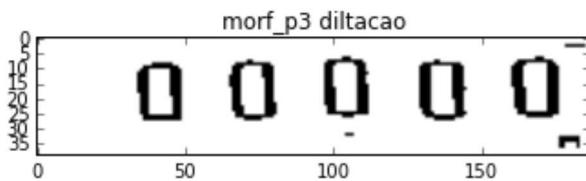
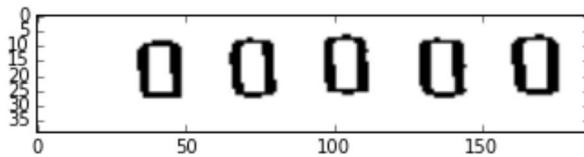
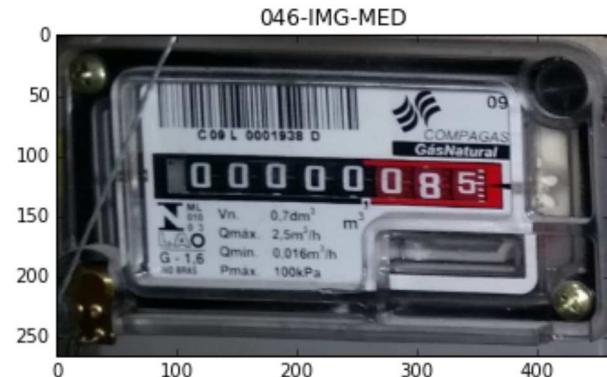
044-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	02323	[0 2 3 2 3]	OK	100%	0.33
ELM	02323	[0 2 3 2 8]	PARCIAL	80.0	0.04



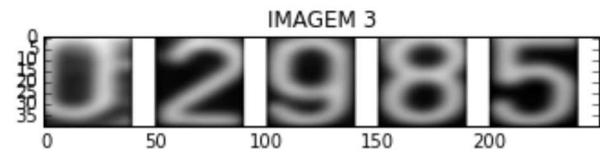
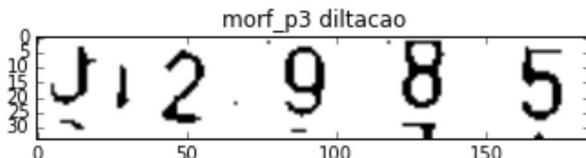
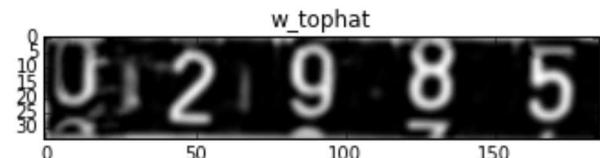
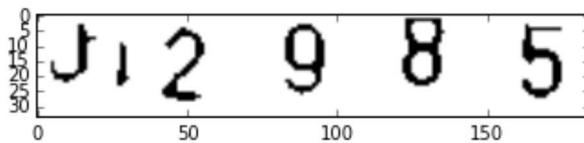
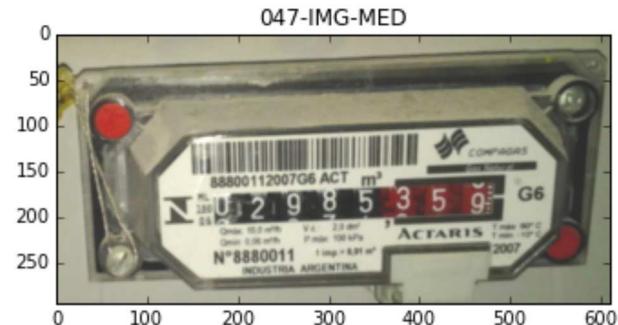
045-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00005	[0 0 0 0 5]	OK	100%	0.36
ELM	00005	[0 0 0 0 3]	PARCIAL	80.0	0.06



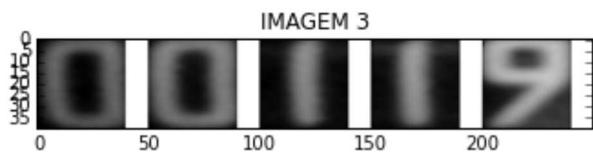
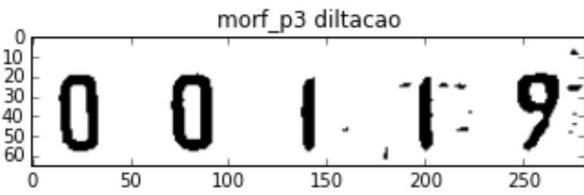
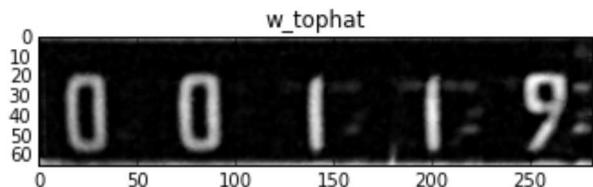
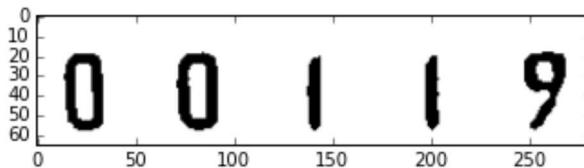
046-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00000	[0 0 0 0 0]	OK	100%	0.33
ELM	00000	[0 0 0 0 0]	OK	100%	0.09



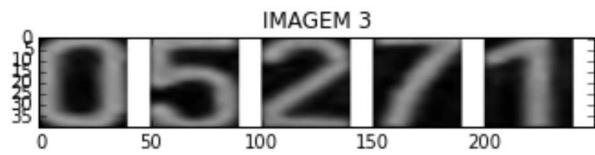
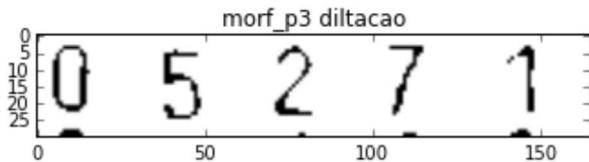
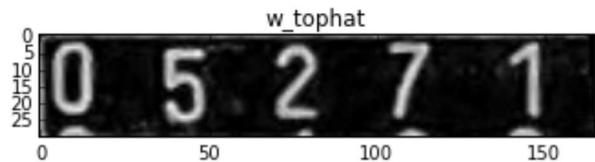
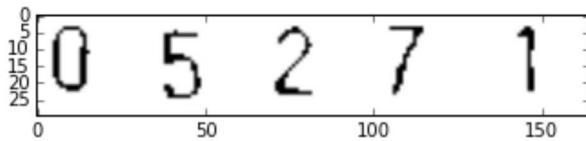
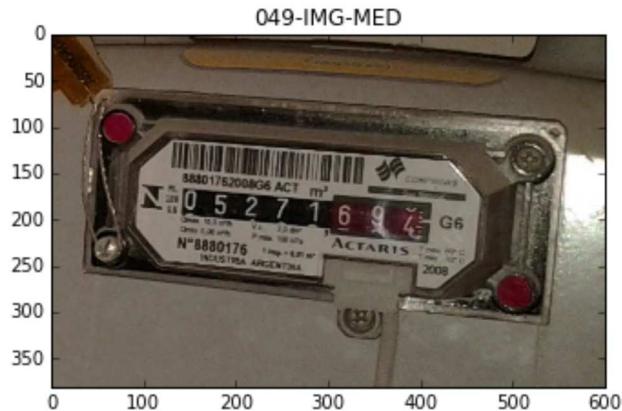
047-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	02985	[1 2 9 8 5]	* INCORRETA*	80.0	0.22
ELM	02985	[3 2 9 8 5]	* INCORRETA*	80.0	0.03



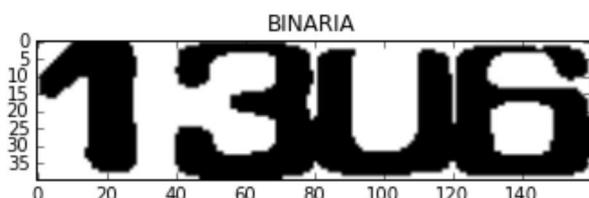
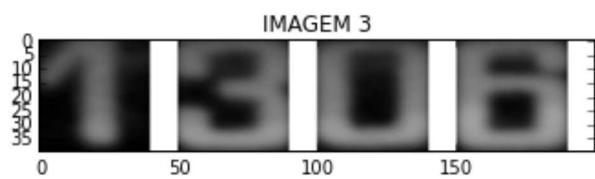
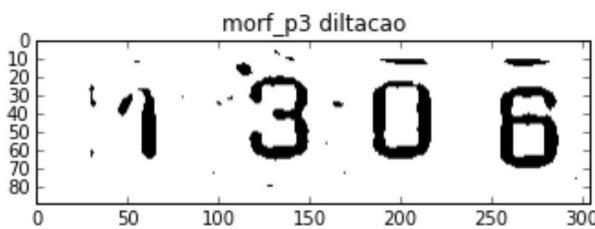
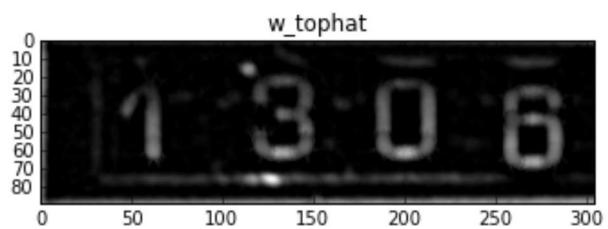
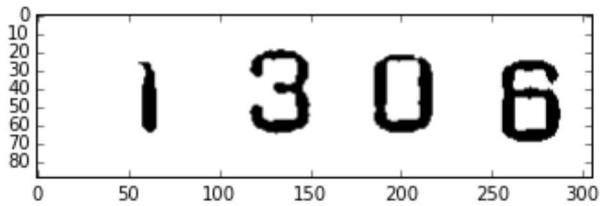
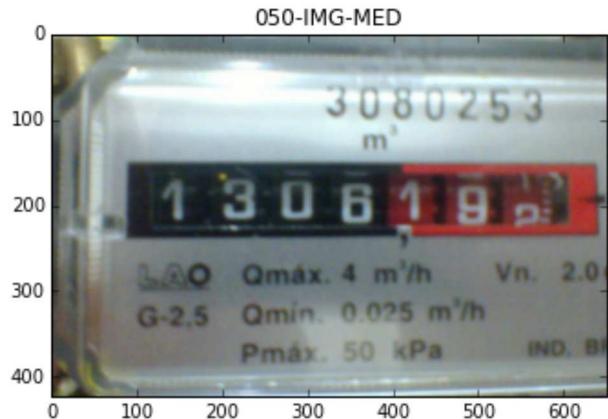
048-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00119	[0 0 1 1 9]	OK	100%	0.2
ELM	00119	[0 0 1 1 9]	OK	100%	0.02



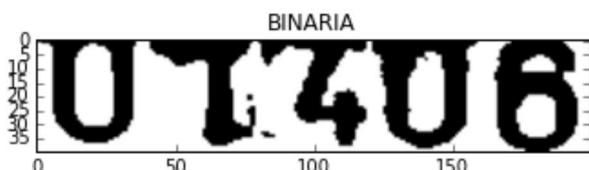
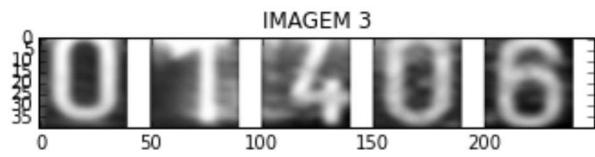
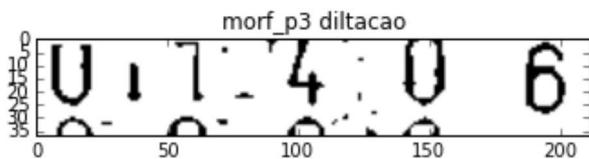
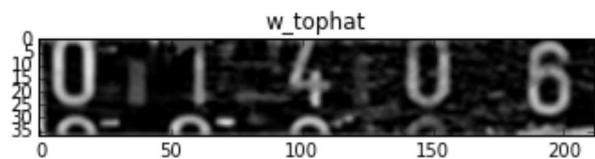
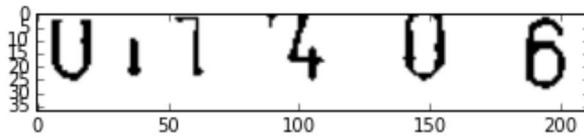
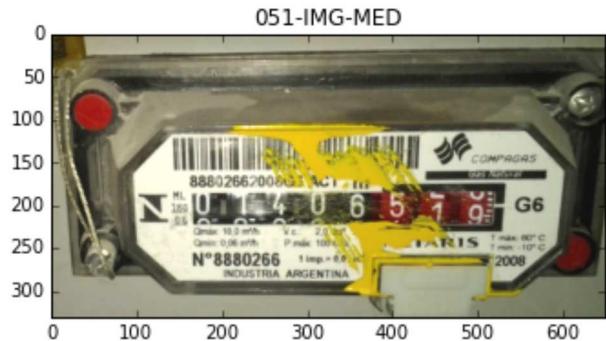
049-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	05271	[0 5 2 7 1]	OK	100%	0.2
ELM	05271	[0 5 2 7 1]	OK	100%	0.02



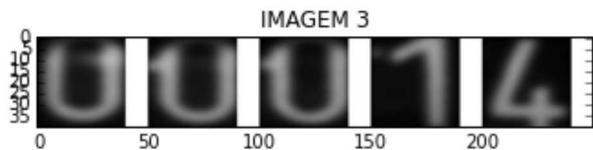
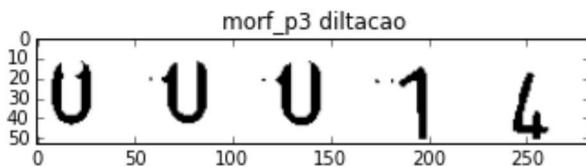
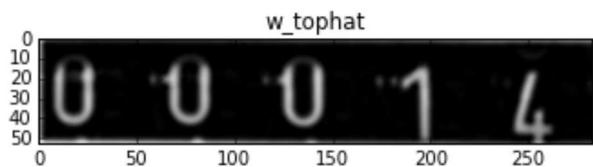
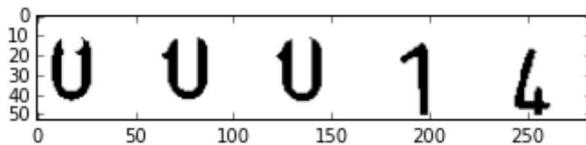
050-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	1306	[1 3 0 6]	OK	100%	0.2
ELM	1306	[1 3 0 6]	OK	100%	0.02



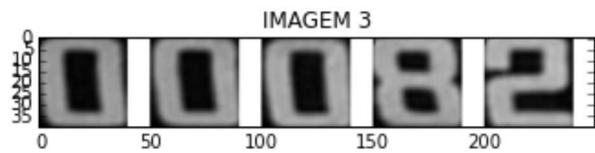
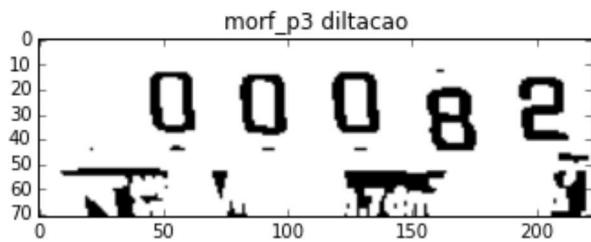
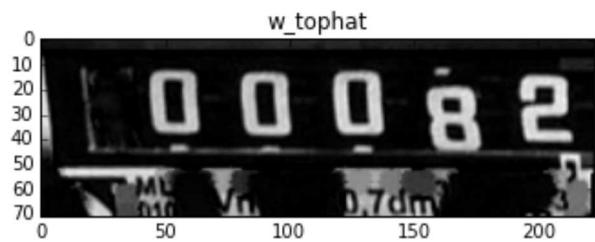
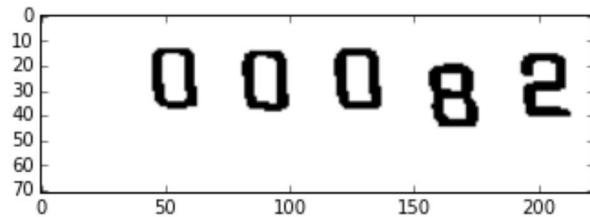
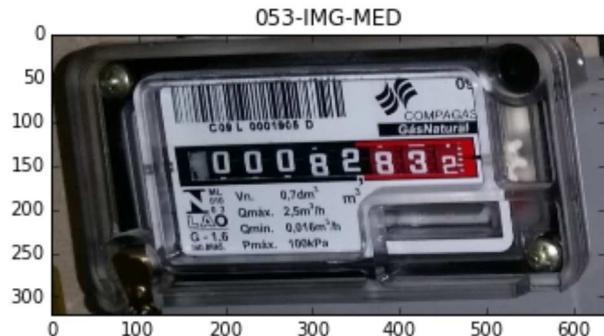
051-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	01406	[0 1 3 0 6]	* INCORRETA*	80.0	0.22
ELM	01406	[0 1 4 0 6]	OK	100%	0.03



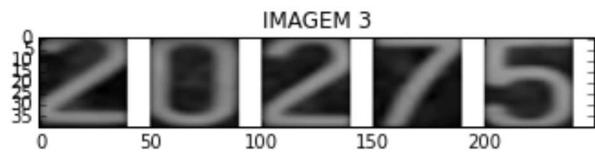
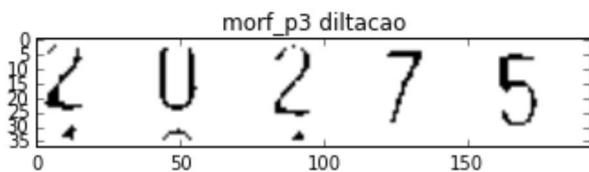
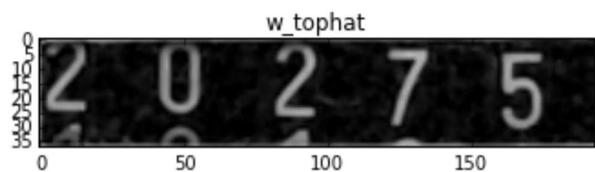
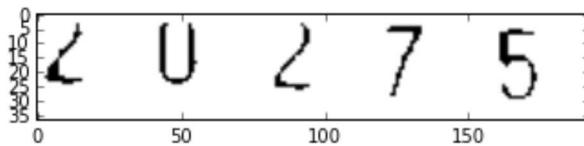
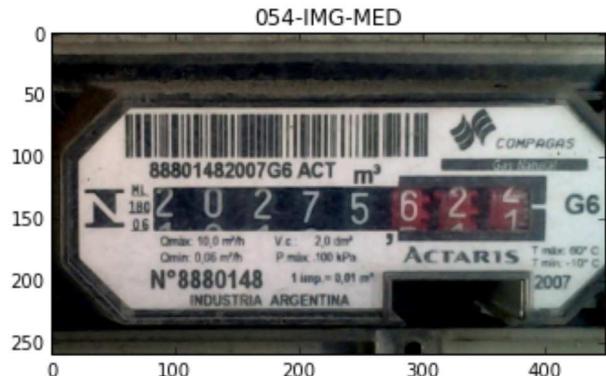
052-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00014	[0 0 0 1 4]	OK	100%	0.2
ELM	00014	[0 0 0 1 1]	PARCIAL	80.0	0.02



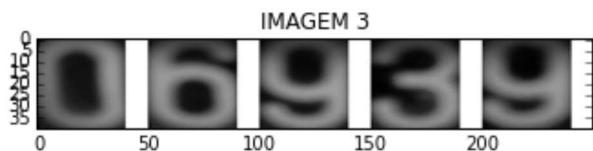
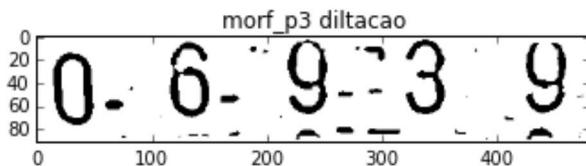
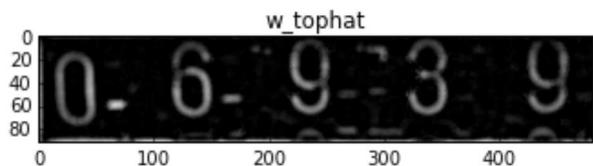
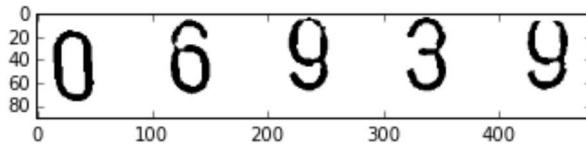
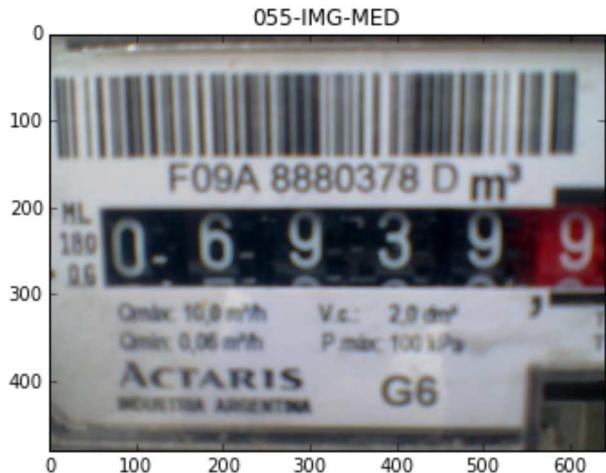
053-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00082	[0 0 0 8 2]	OK	100%	0.2
ELM	00082	[0 0 0 8 2]	OK	100%	0.02



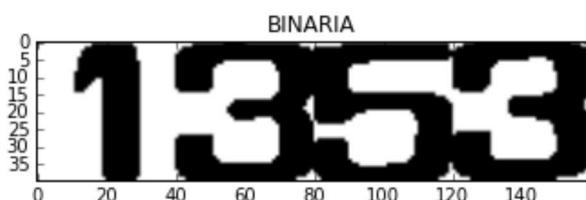
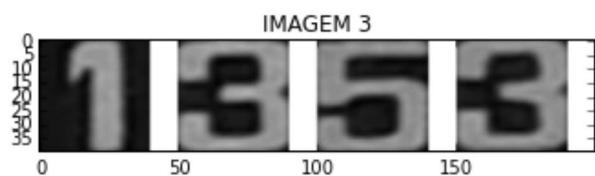
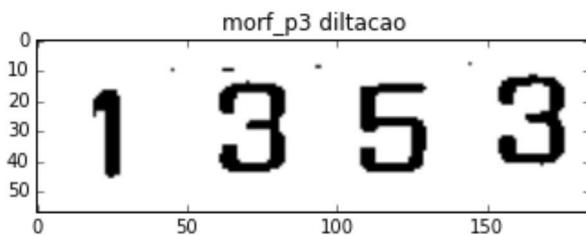
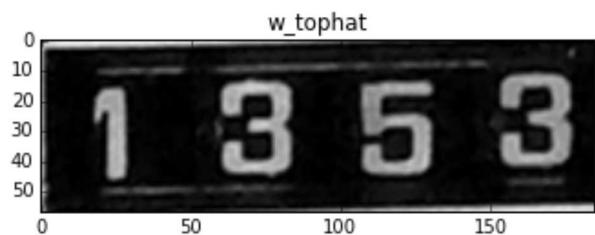
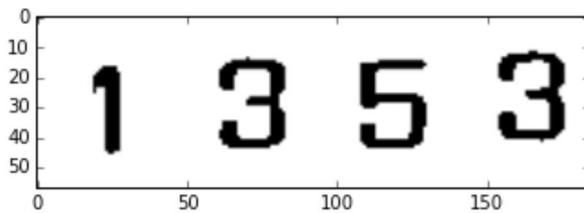
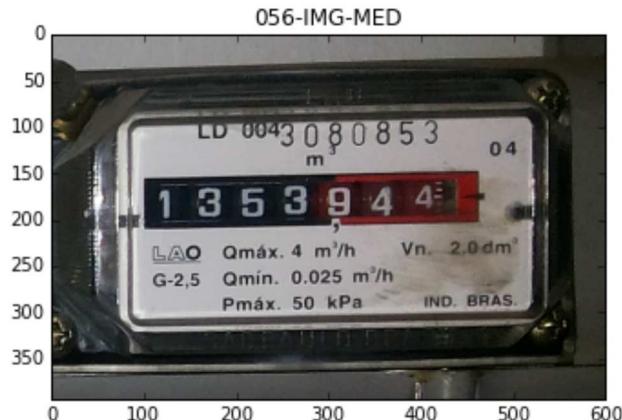
054-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	20275	[2 0 2 7 5]	OK	100%	0.21
ELM	20275	[2 0 2 7 5]	OK	100%	0.05



055-IMG-MED

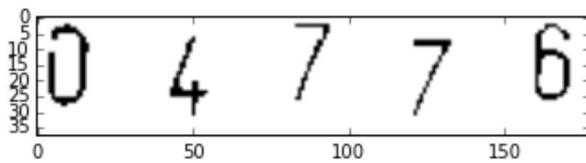
Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	06939	[0 6 9 3 9]	OK	100%	0.22
ELM	06939	[0 6 9 3 9]	OK	100%	0.03



056-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	1353	[1 3 5 3]	OK	100%	0.2
ELM	1353	[1 3 5 3]	OK	100%	0.03

057-IMG-MED



w_tophat



morf_p3 diltacao

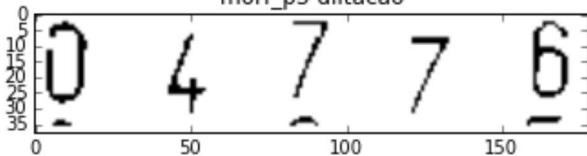
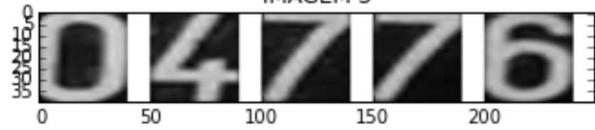


IMAGEM 3

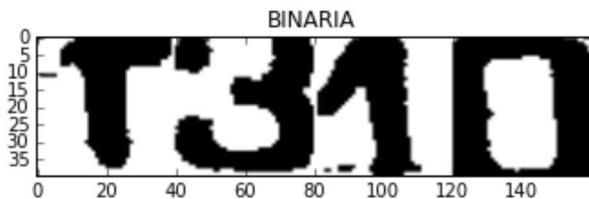
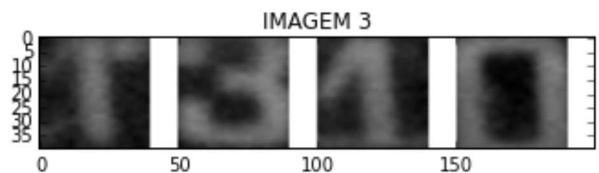
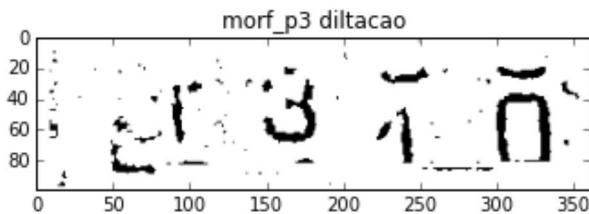
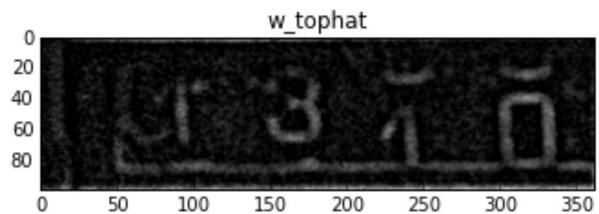
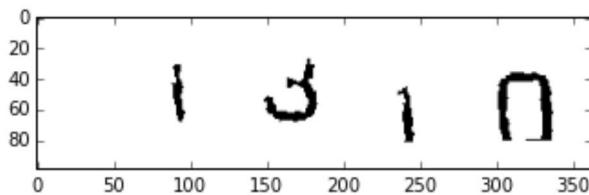
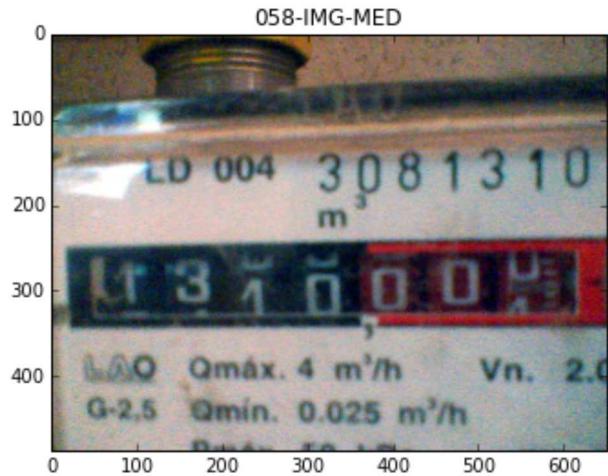


BINARIA



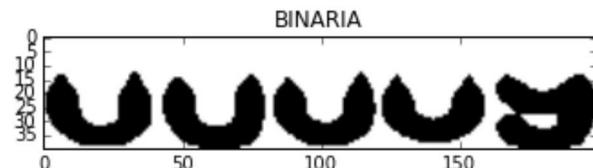
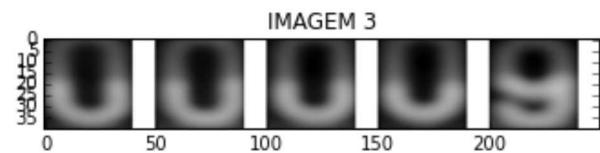
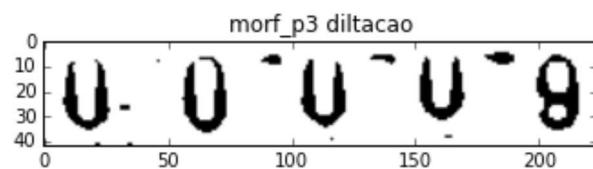
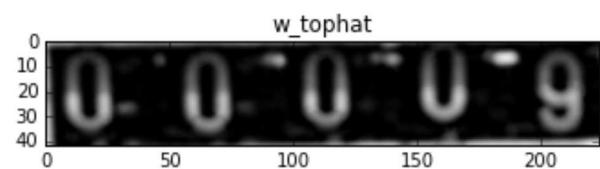
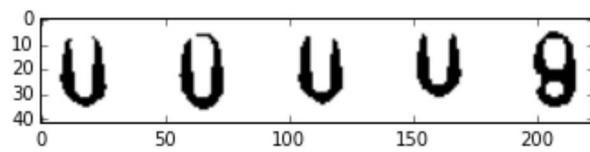
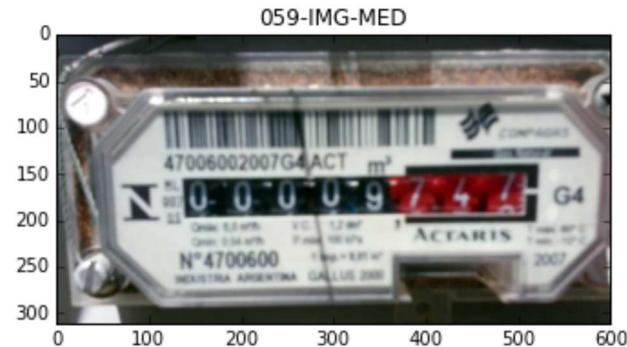
057-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	04776	[0 4 7 7 6]	OK	100%	0.2
ELM	04776	[0 4 7 7 6]	OK	100%	0.03



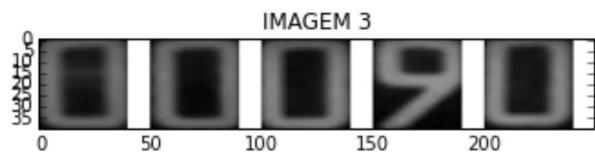
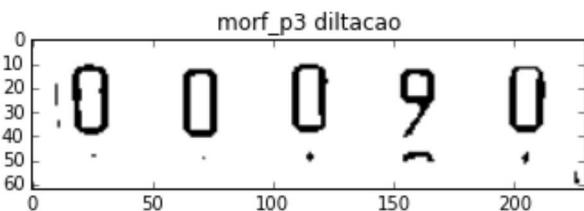
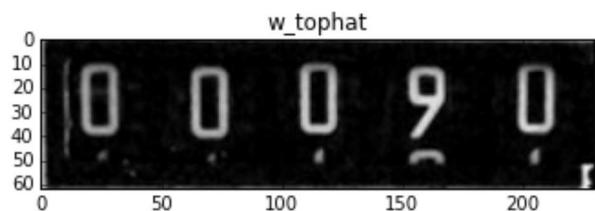
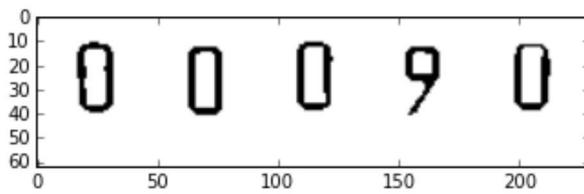
058-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	1310	[1 3 1 0]	OK	100%	0.21
ELM	1310	[1 3 1 0]	OK	100%	0.02



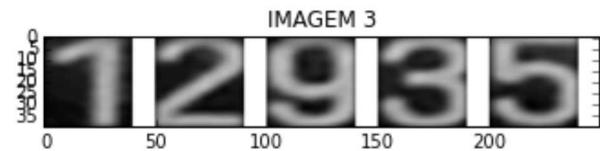
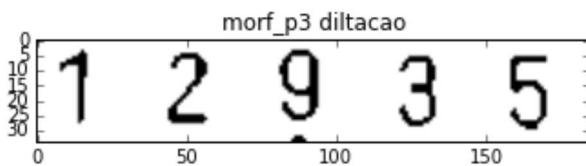
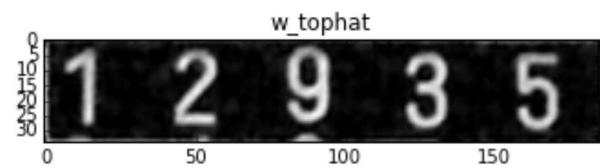
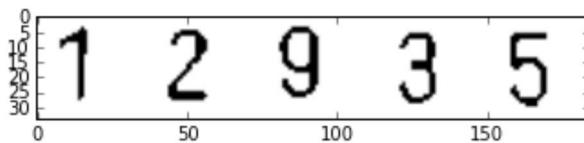
059-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00009	[0 0 0 0 9]	OK	100%	0.28
ELM	00009	[0 0 0 0 9]	OK	100%	0.07



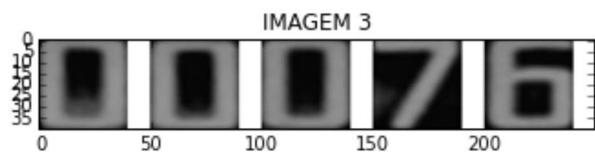
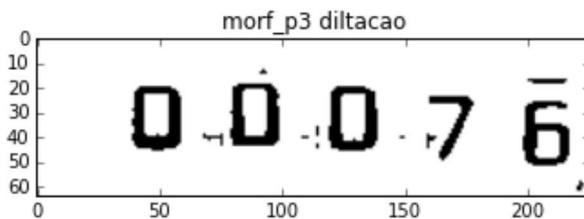
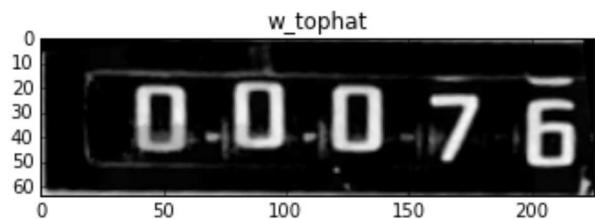
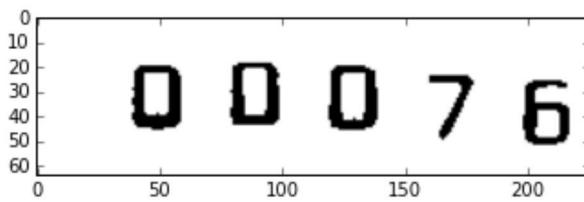
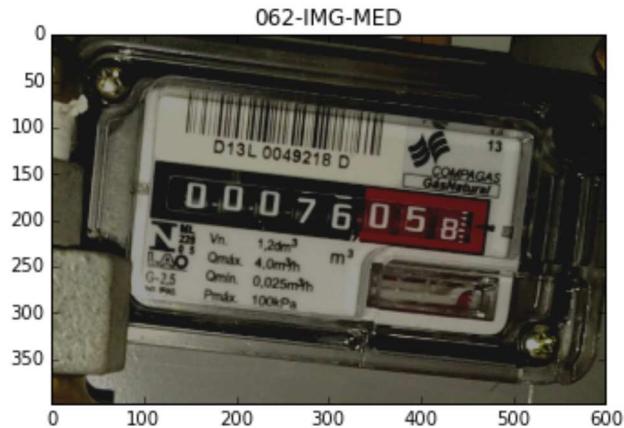
060-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00090	[0 0 0 9 0]	OK	100%	0.21
ELM	00090	[0 0 0 9 0]	OK	100%	0.02



061-IMG-MED

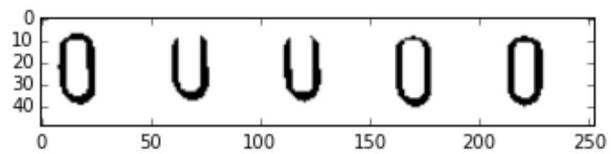
Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	12935	[1 2 9 8 5]	* INCORRETA*	80.0	0.2
ELM	12935	[1 2 9 3 5]	OK	100%	0.03



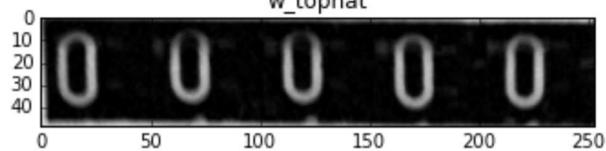
062-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00076	[0 0 0 7 6]	OK	100%	0.21
ELM	00076	[0 0 0 7 5]	PARCIAL	80.0	0.04

063-IMG-MED



w_tophat



morf_p3 diltacao

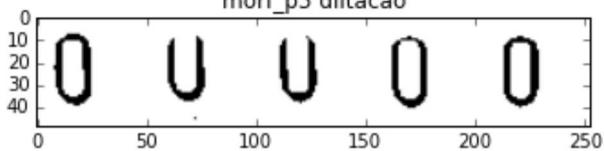
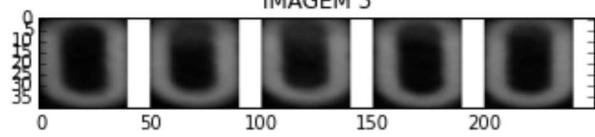


IMAGEM 3

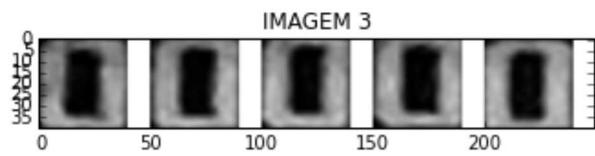
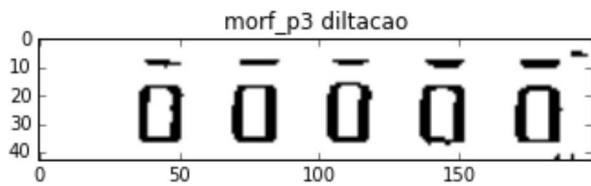
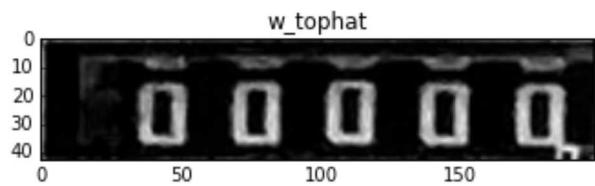
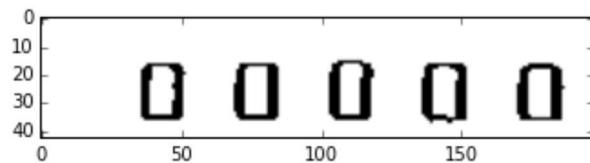
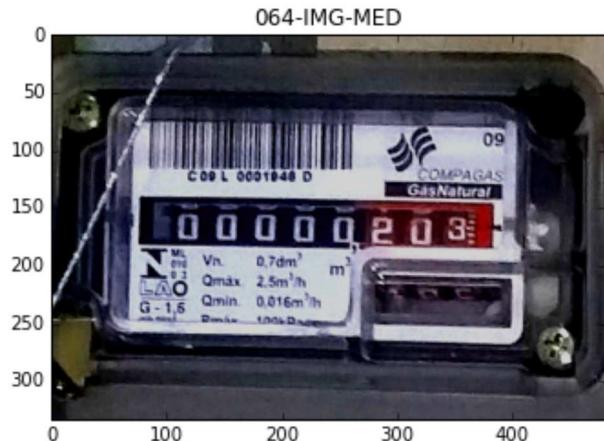


BINARIA



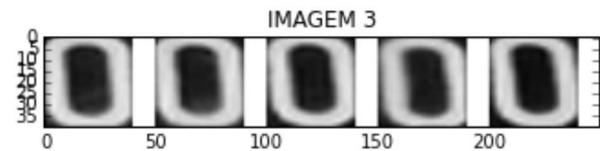
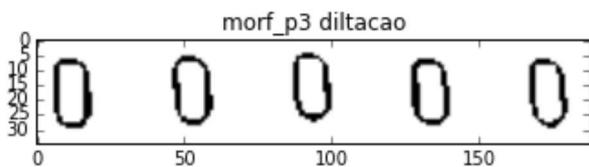
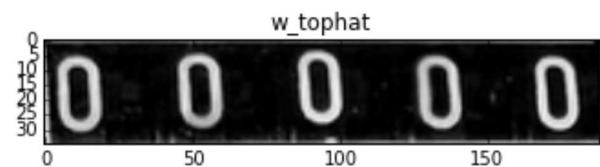
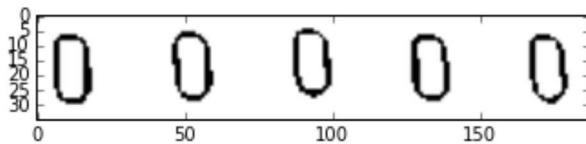
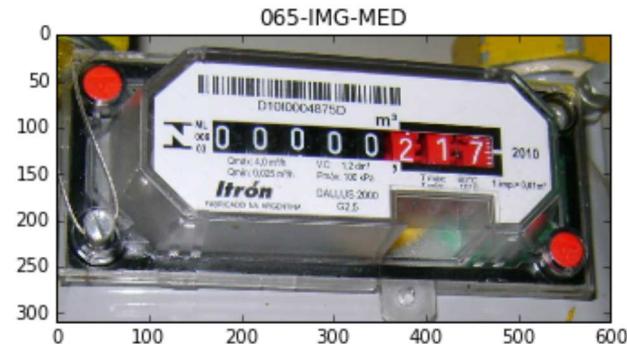
063-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00000	[0 0 0 0 0]	OK	100%	0.22
ELM	00000	[0 0 0 0 0]	OK	100%	0.03



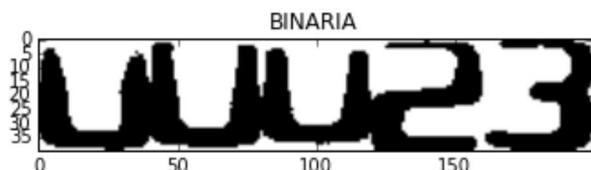
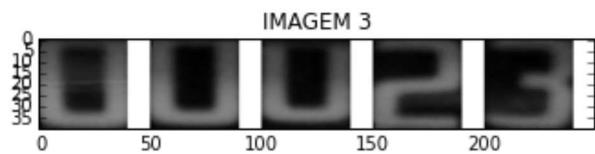
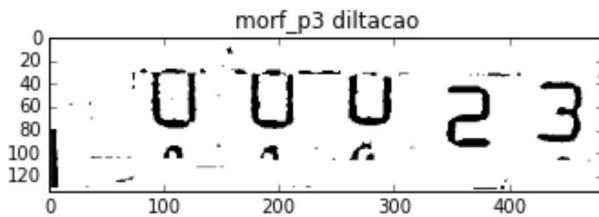
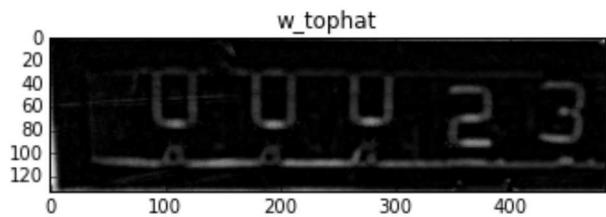
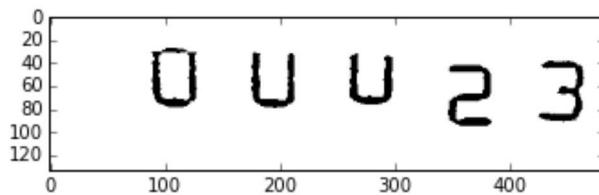
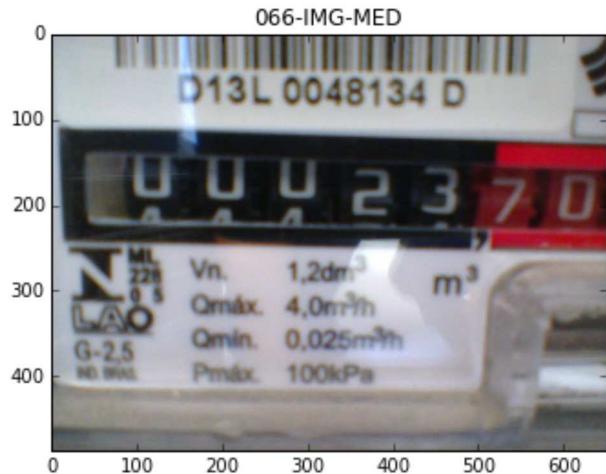
064-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00000	[0 0 0 0 0]	OK	100%	0.2
ELM	00000	[0 0 0 0 0]	OK	100%	0.02



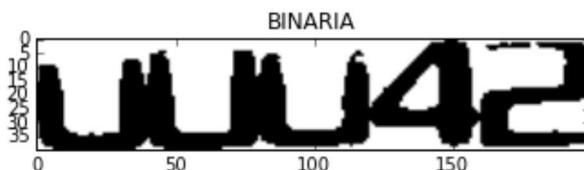
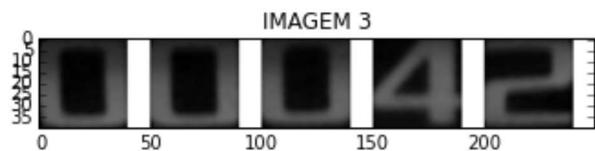
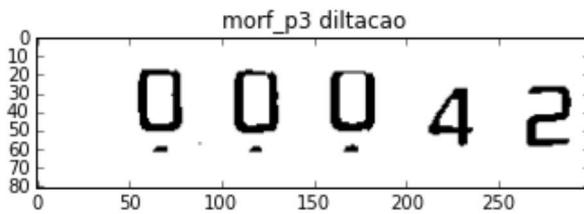
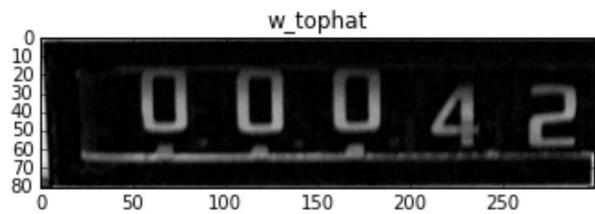
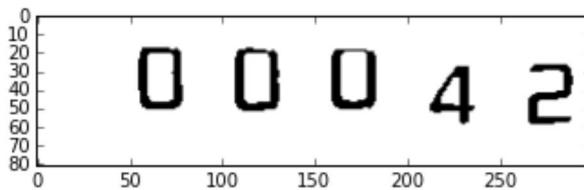
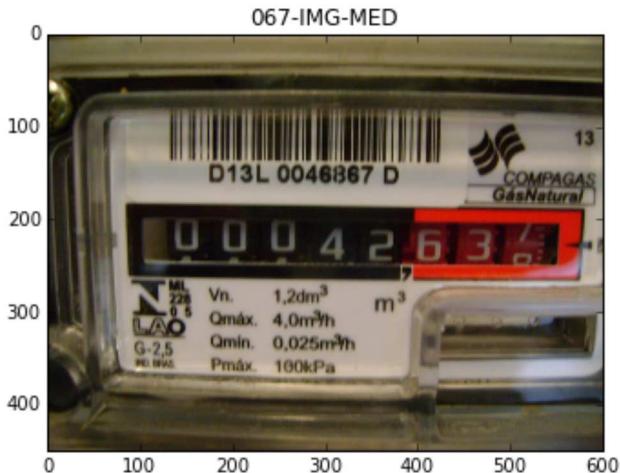
065-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00000	[0 0 0 0 0]	OK	100%	0.21
ELM	00000	[6 0 0 0 0]	* INCORRETA *	80.0	0.02



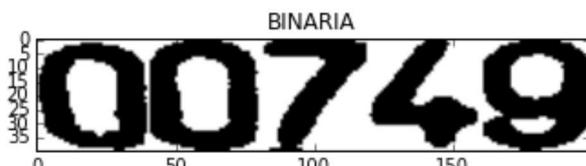
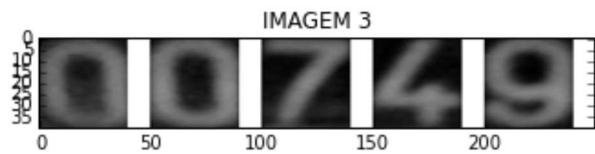
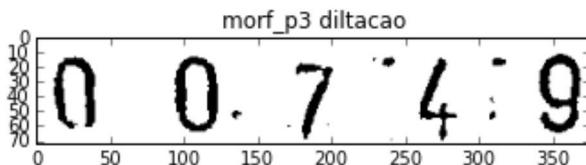
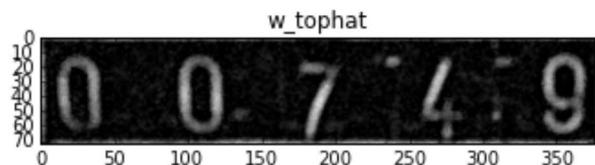
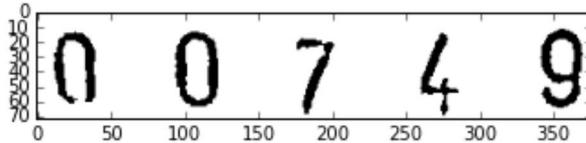
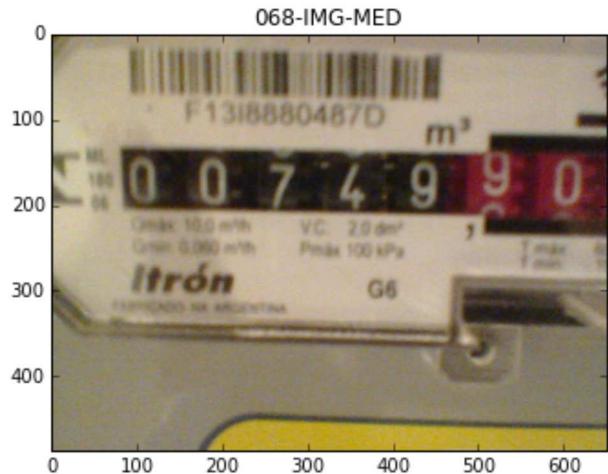
066-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00023	[0 0 0 2 3]	OK	100%	0.2
ELM	00023	[0 0 0 2 3]	OK	100%	0.03



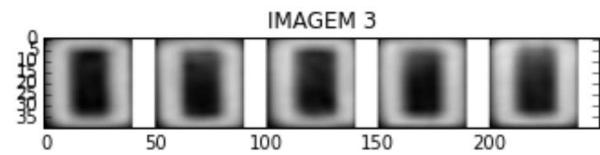
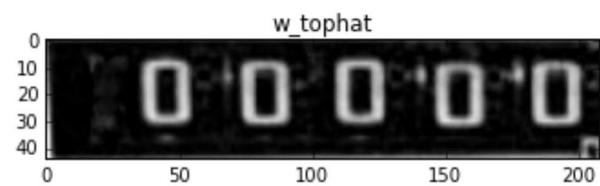
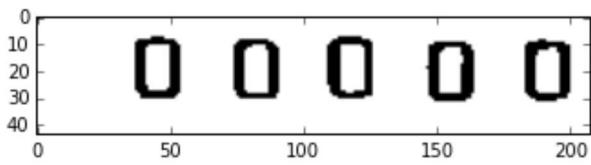
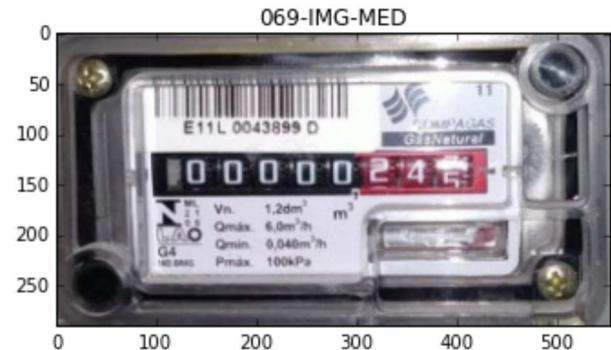
067-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00042	[0 0 0 4 2]	OK	100%	0.2
ELM	00042	[0 0 0 4 2]	OK	100%	0.02



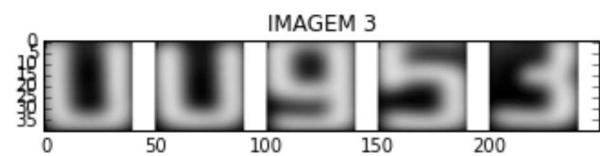
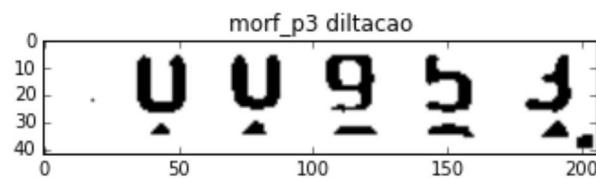
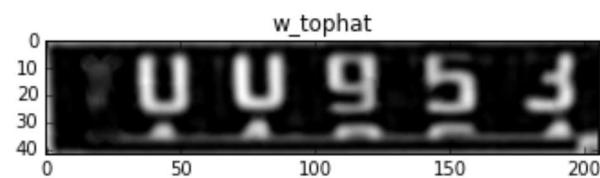
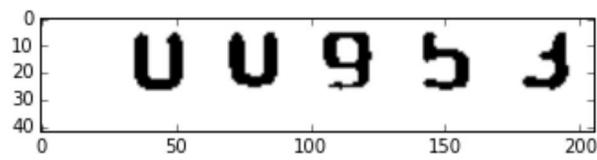
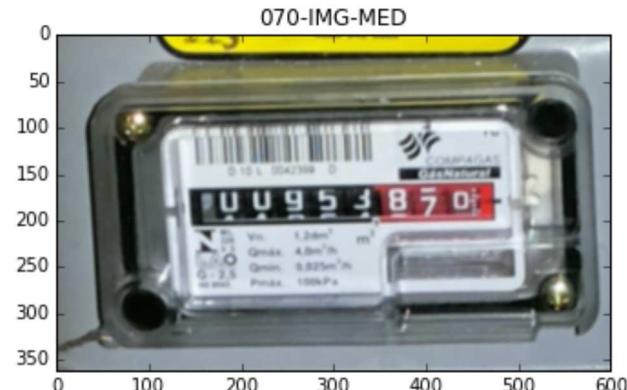
068-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00749	[0 0 7 4 9]	OK	100%	0.2
ELM	00749	[0 0 7 4 9]	OK	100%	0.02



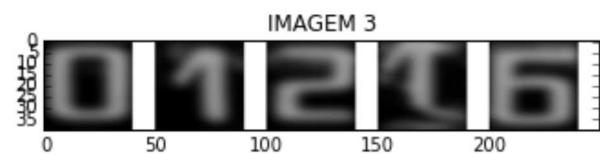
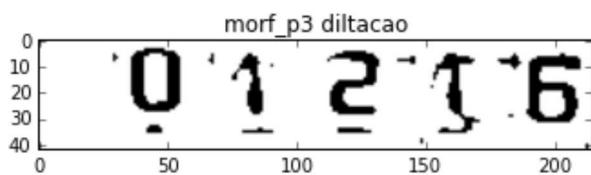
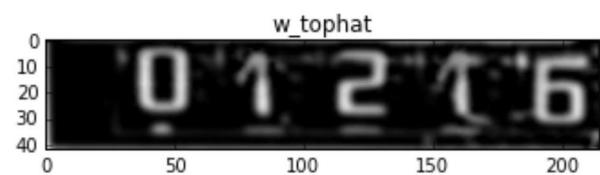
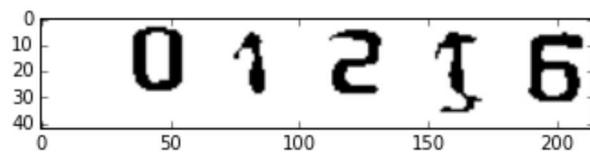
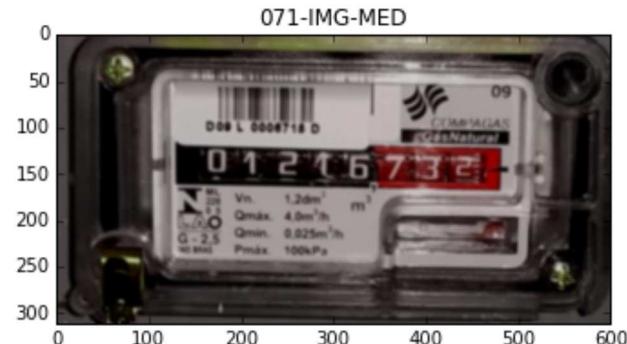
069-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00000	[0 0 0 0 0]	OK	100%	0.2
ELM	00000	[0 0 0 0 0]	OK	100%	0.02



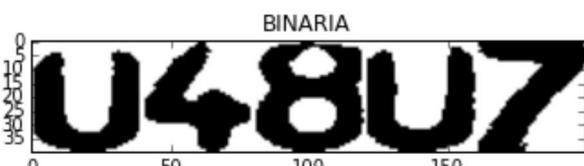
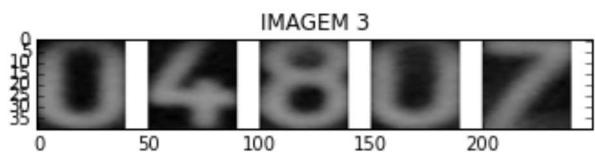
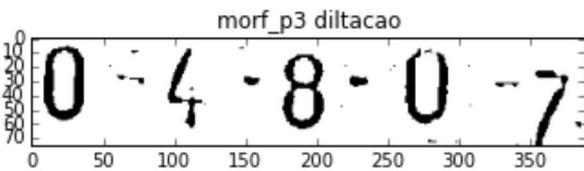
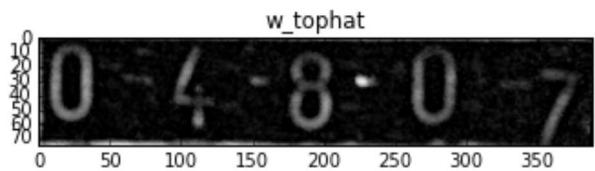
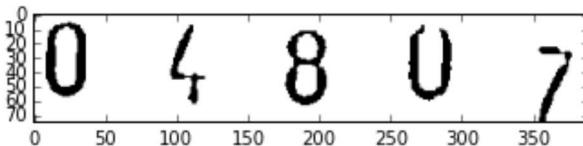
070-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00953	[0 0 9 5 3]	OK	100%	0.22
ELM	00953	[0 0 9 5 3]	OK	100%	0.02



071-IMG-MED

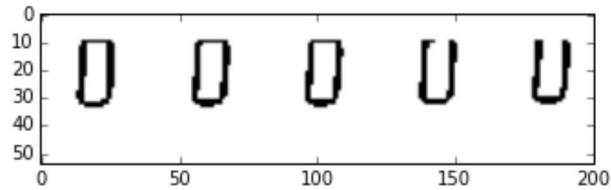
Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	01216	[0 1 2 1 6]	OK	100%	0.2
ELM	01216	[0 1 2 1 6]	OK	100%	0.02



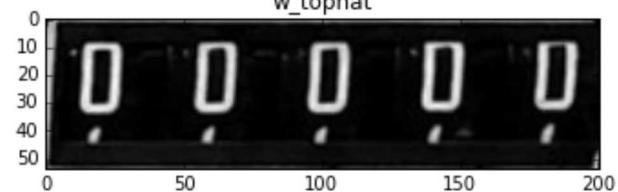
072-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	04807	[0 4 8 0 7]	OK	100%	0.2
ELM	04807	[0 4 8 0 7]	OK	100%	0.02

073-IMG-MED



w_tophat



morf_p3 diltacao

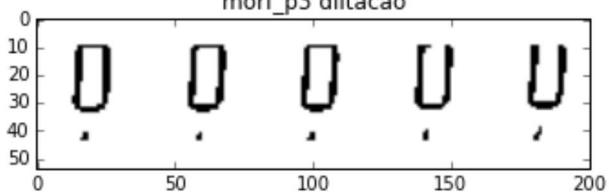
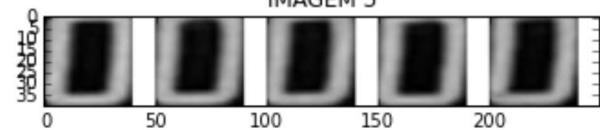


IMAGEM 3



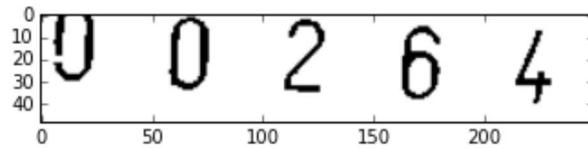
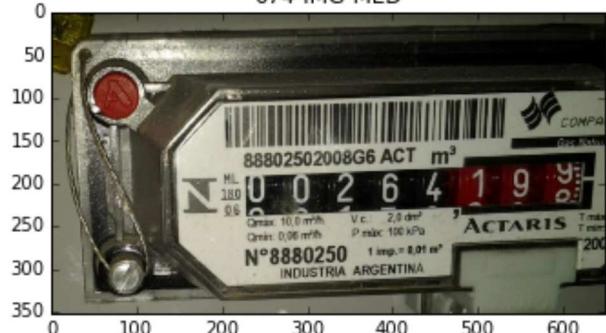
BINARIA



073-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00000	[0 0 0 0 0]	OK	100%	0.21
ELM	00000	[0 0 0 0 0]	OK	100%	0.02

074-IMG-MED



w_tophat



morf_p3 diltacao

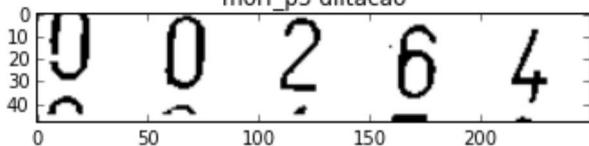


IMAGEM 3

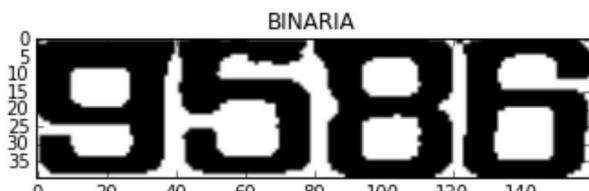
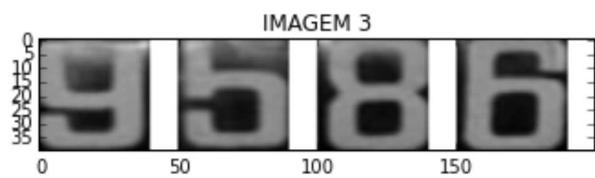
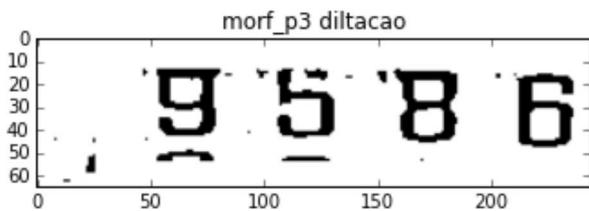
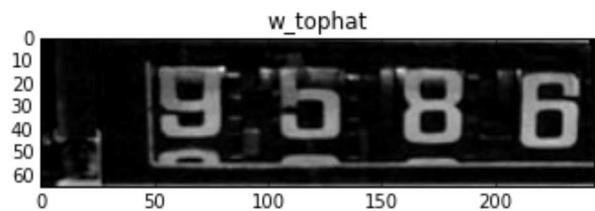
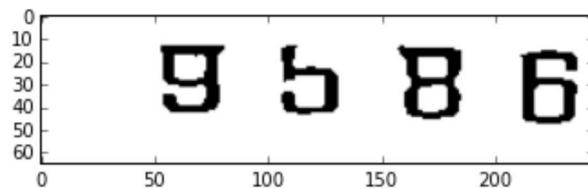
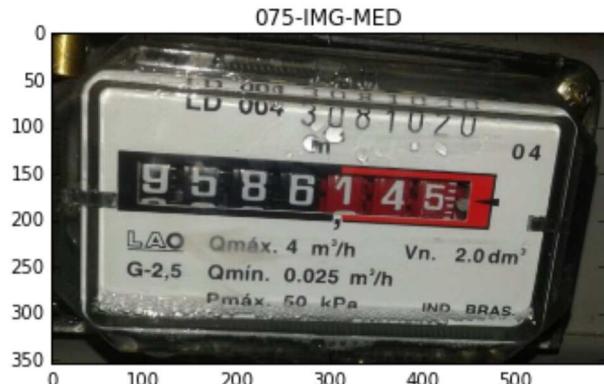


BINARIA



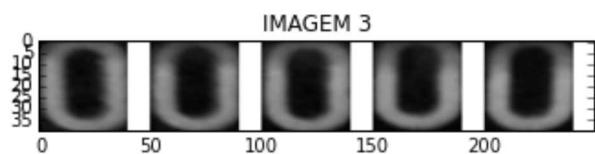
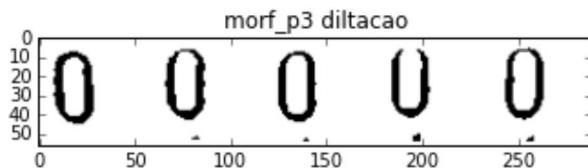
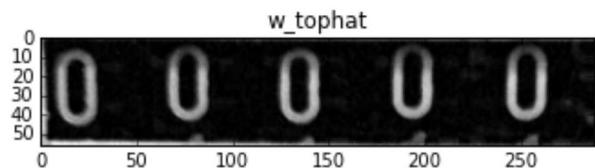
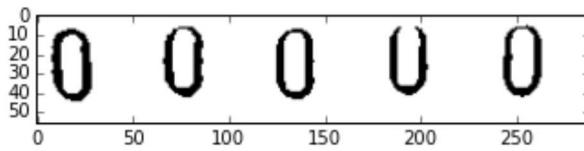
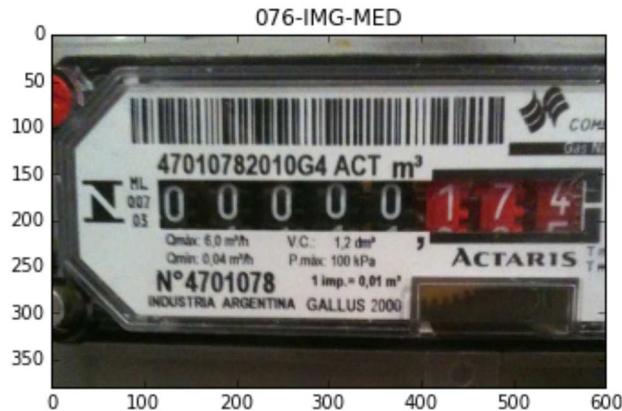
074-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00264	[0 0 2 6 4]	OK	100%	0.21
ELM	00264	[0 0 2 6 4]	OK	100%	0.02



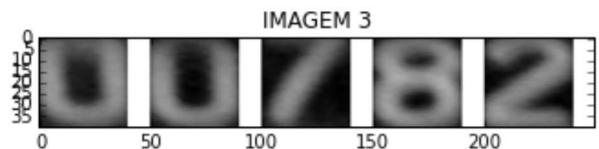
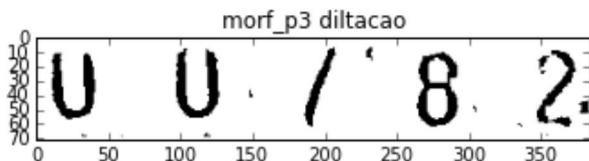
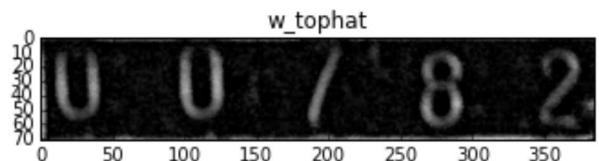
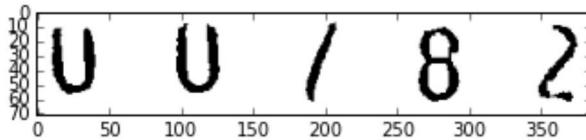
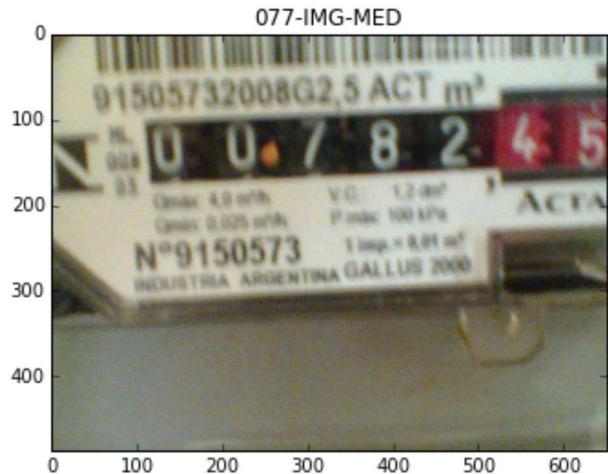
075-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	9586	[9 5 8 6]	OK	100%	0.21
ELM	9586	[9 5 8 6]	OK	100%	0.02



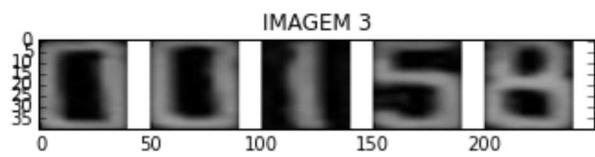
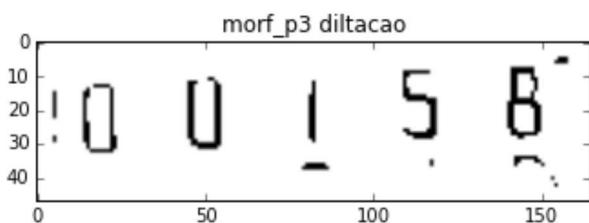
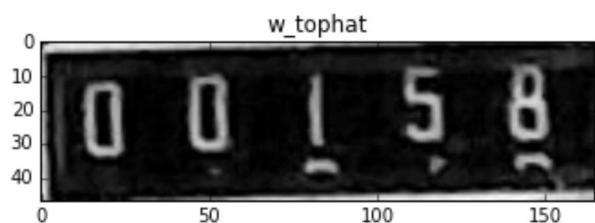
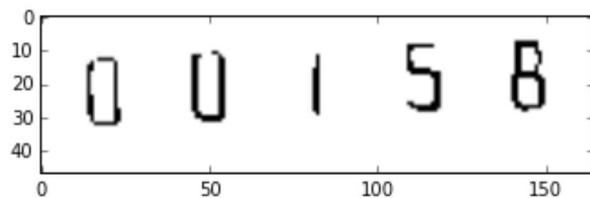
076-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00000	[0 0 0 0 0]	OK	100%	0.21
ELM	00000	[0 0 0 0 0]	OK	100%	0.02



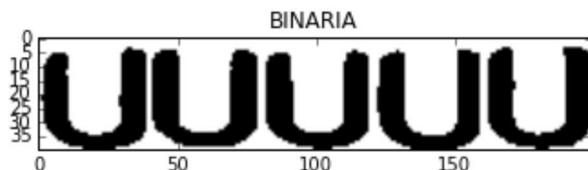
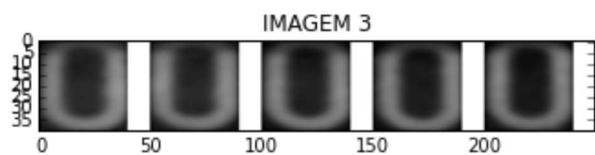
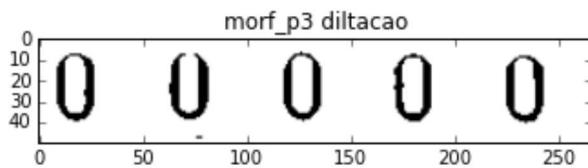
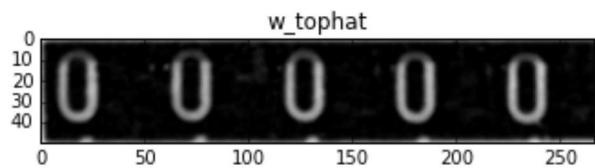
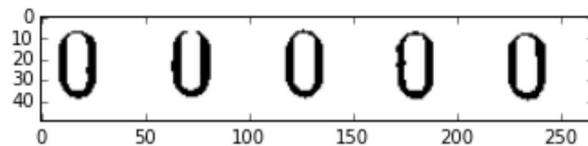
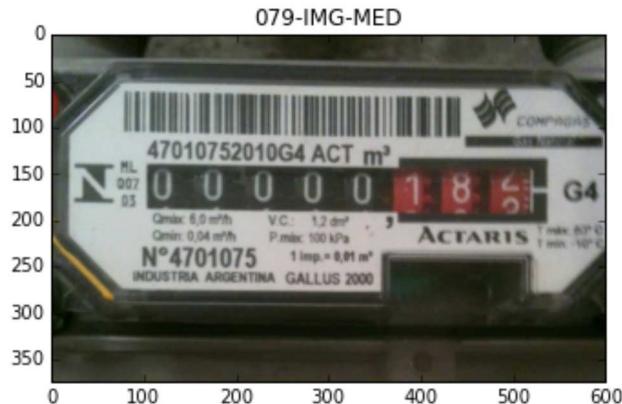
077-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00782	[0 0 7 8 2]	OK	100%	0.21
ELM	00782	[0 0 7 8 2]	OK	100%	0.02



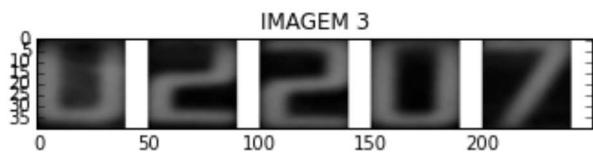
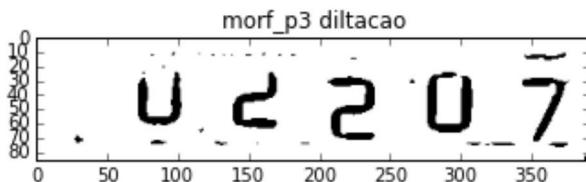
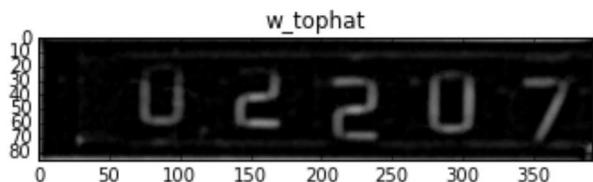
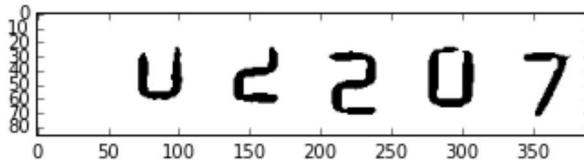
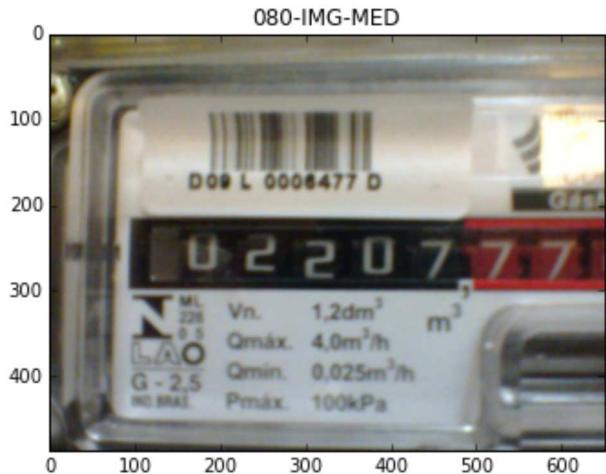
078-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00158	[0 0 1 5 8]	OK	100%	0.21
ELM	00158	[0 0 1 5 8]	OK	100%	0.02



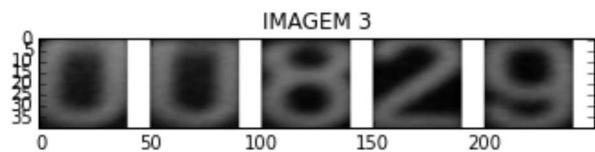
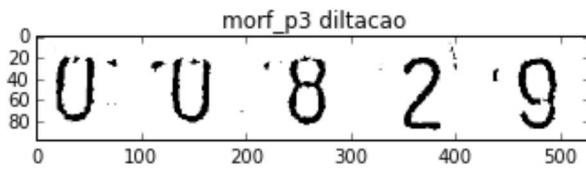
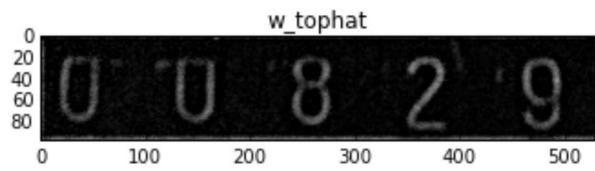
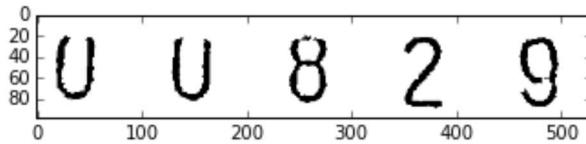
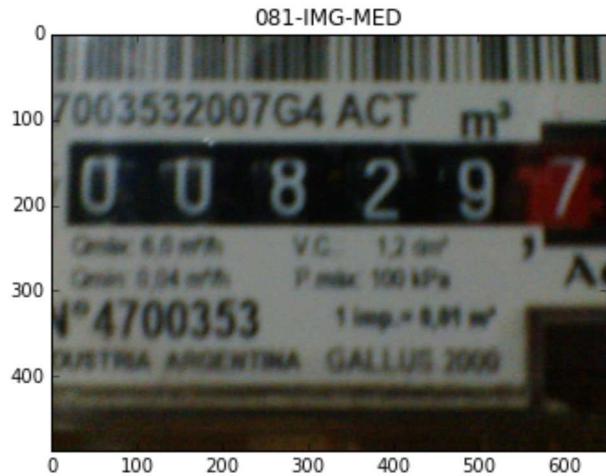
079-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00000	[0 0 0 0 0]	OK	100%	0.2
ELM	00000	[0 0 0 0 0]	OK	100%	0.02



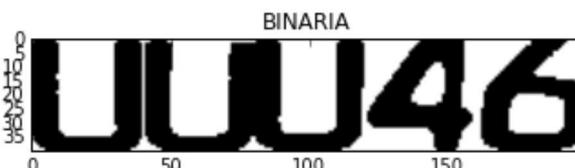
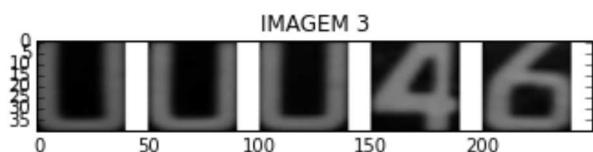
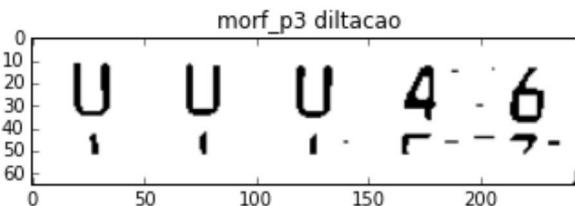
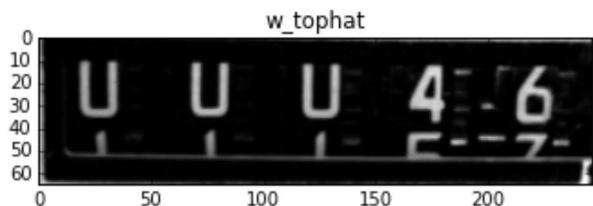
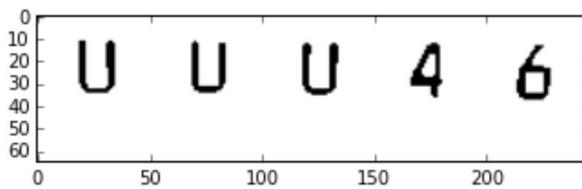
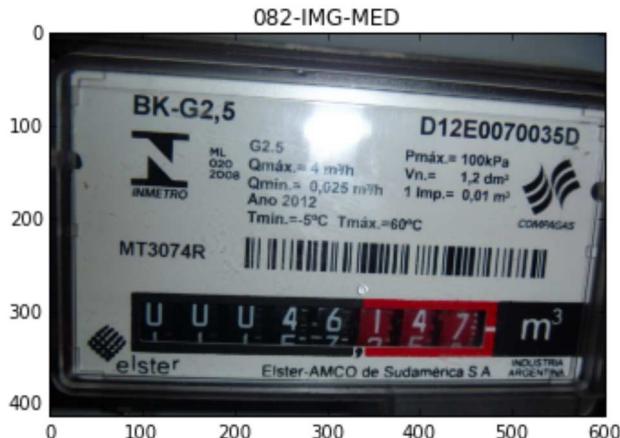
080-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	02207	[8 2 2 0 7]	* INCORRETA *	80.0	0.2
ELM	02207	[0 2 2 0 7]	OK	100%	0.02



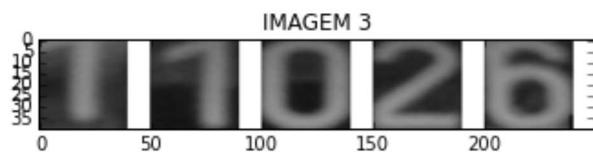
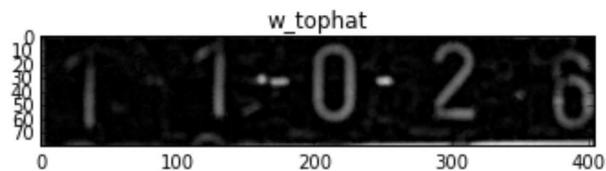
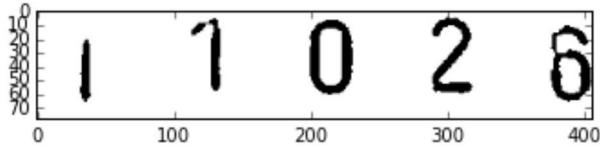
081-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00829	[0 0 8 2 9]	OK	100%	0.23
ELM	00829	[0 0 8 2 9]	OK	100%	0.02



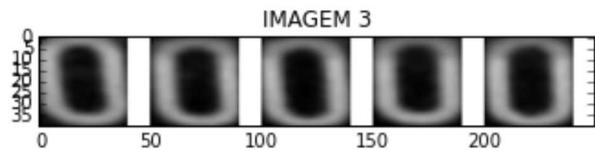
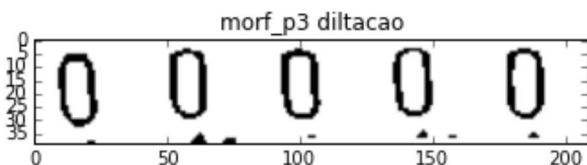
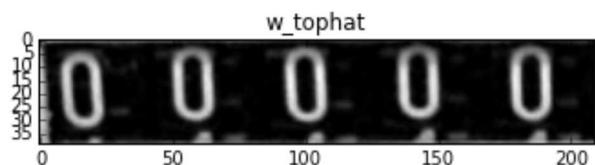
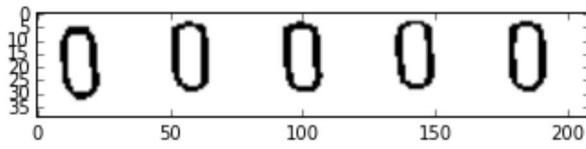
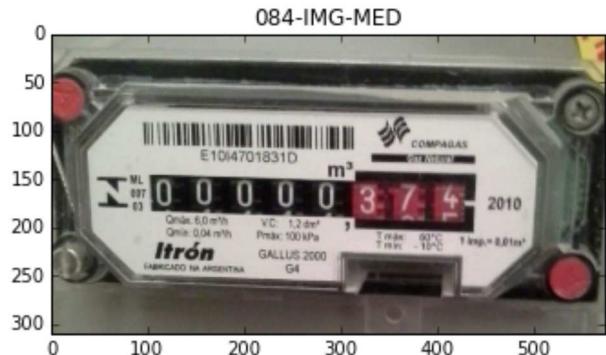
082-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00046	[0 0 0 4 6]	OK	100%	0.22
ELM	00046	[0 0 0 4 6]	OK	100%	0.03



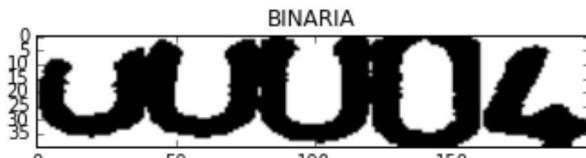
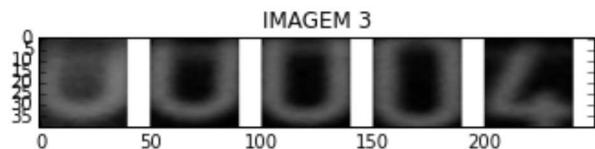
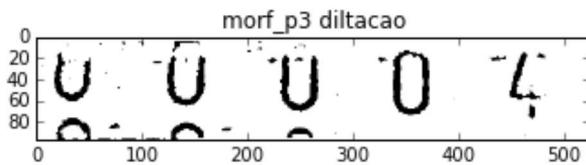
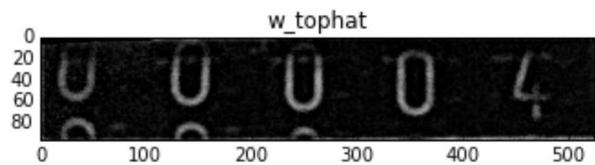
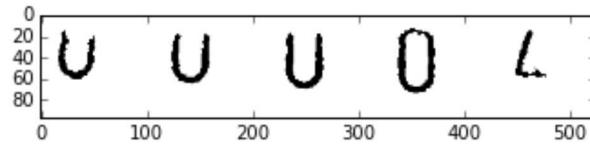
083-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	11026	[1 1 0 2 6]	OK	100%	0.2
ELM	11026	[1 1 0 2 6]	OK	100%	0.03



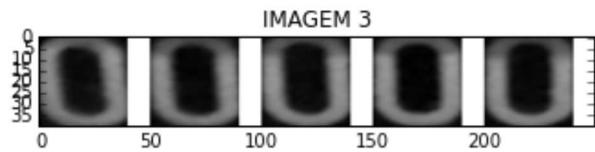
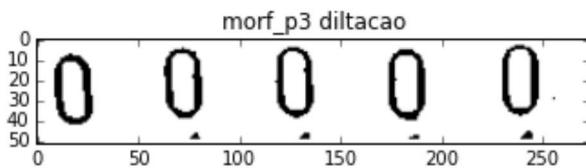
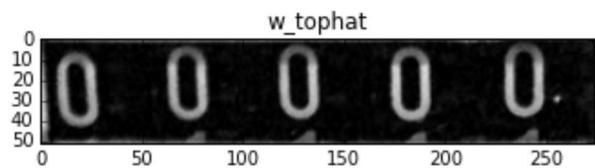
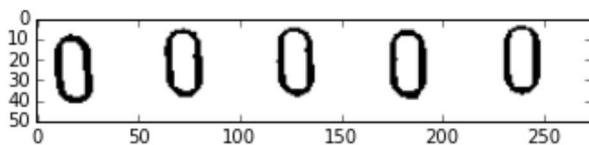
084-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00000	[0 0 0 0 0]	OK	100%	0.2
ELM	00000	[0 0 0 0 0]	OK	100%	0.02



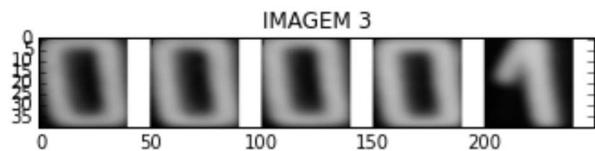
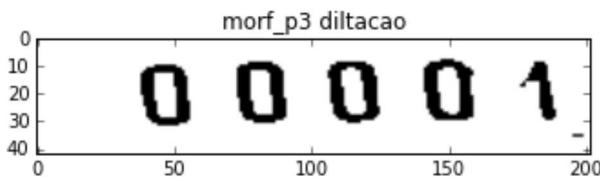
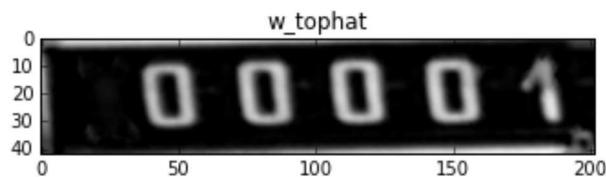
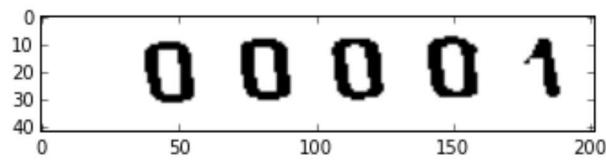
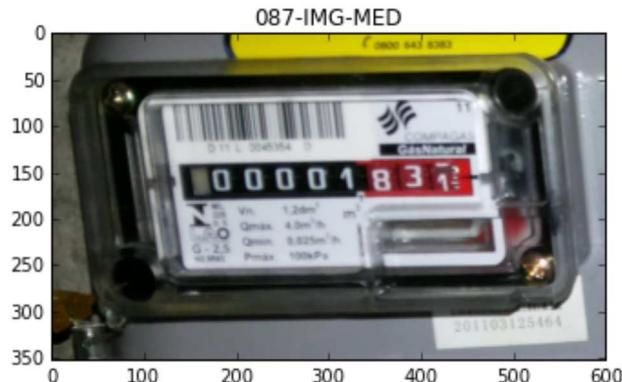
085-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00004	[0 0 0 0 6]	PARCIAL	80.0	0.2
ELM	00004	[0 0 0 0 1]	PARCIAL	80.0	0.02



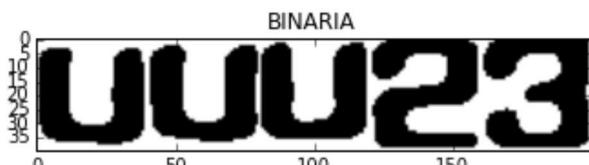
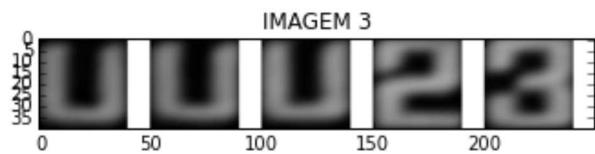
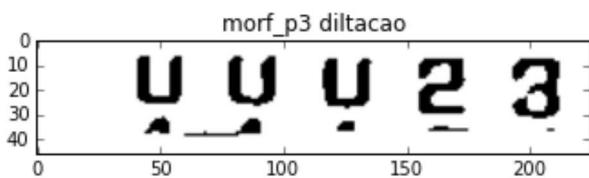
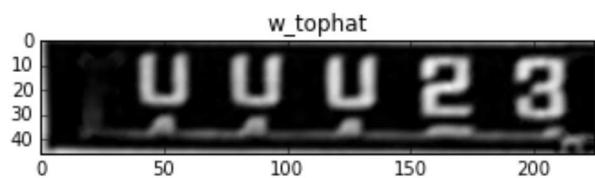
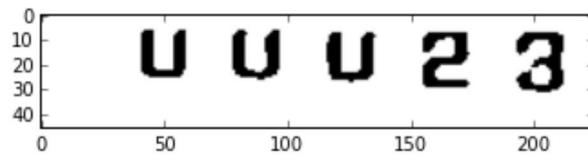
086-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00000	[0 0 0 0 0]	OK	100%	0.2
ELM	00000	[0 0 0 0 0]	OK	100%	0.02



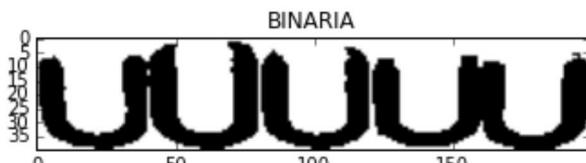
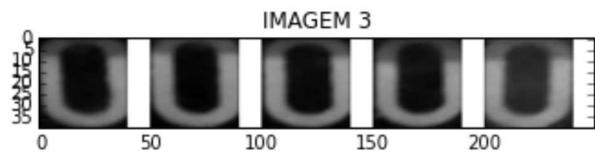
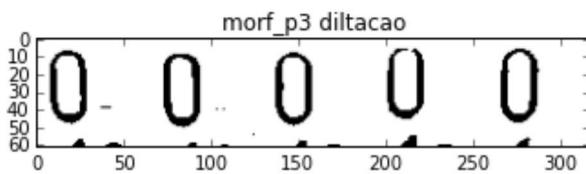
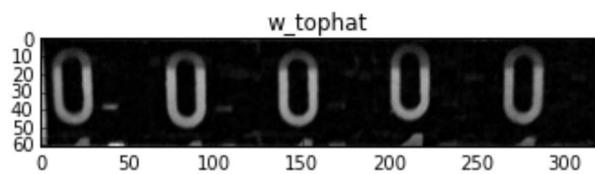
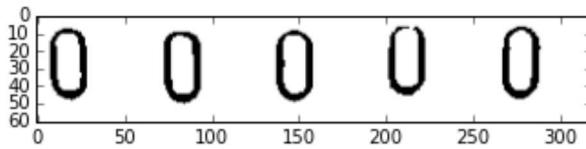
087-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00001	[0 0 0 0 1]	OK	100%	0.23
ELM	00001	[0 0 0 0 1]	OK	100%	0.02



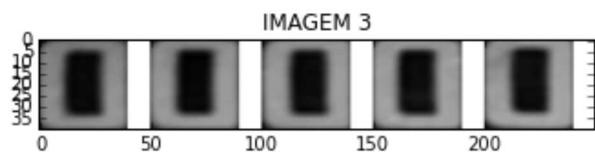
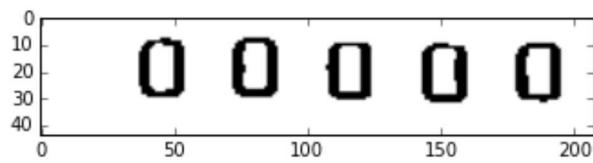
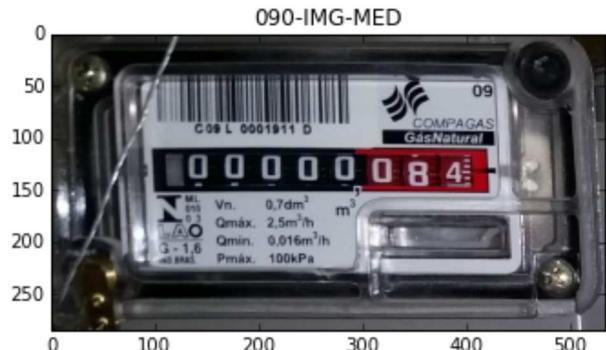
088-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00023	[0 0 0 2 3]	OK	100%	0.23
ELM	00023	[0 0 0 2 3]	OK	100%	0.03



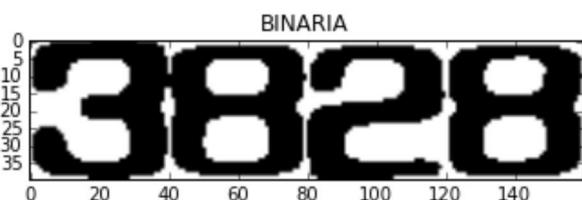
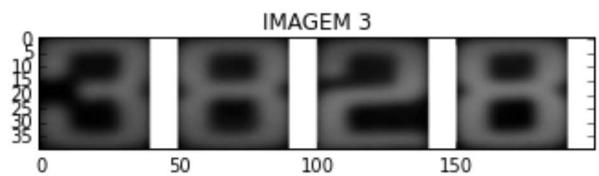
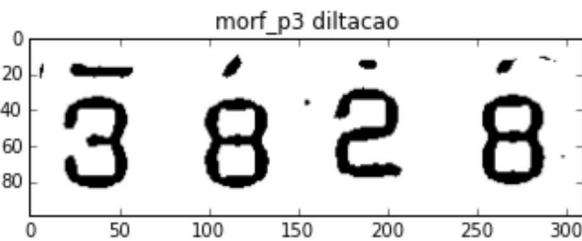
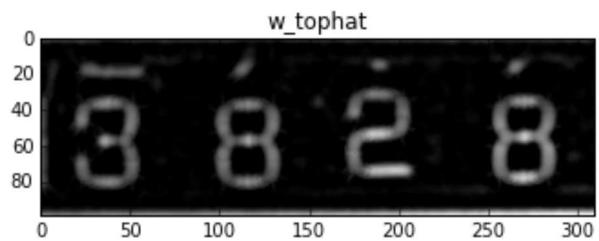
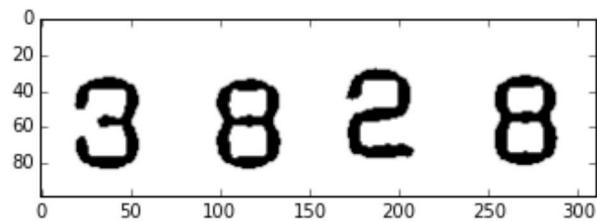
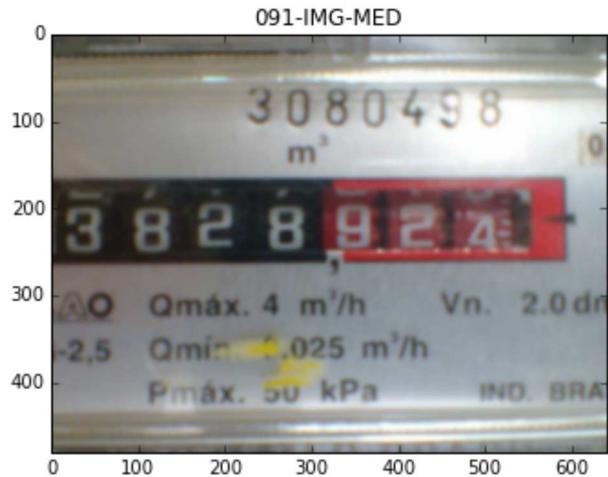
089-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00000	[0 0 0 0 0]	OK	100%	0.22
ELM	00000	[0 0 0 0 0]	OK	100%	0.03



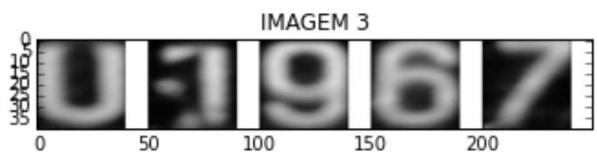
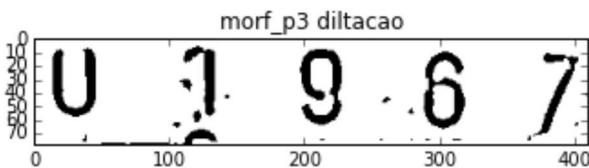
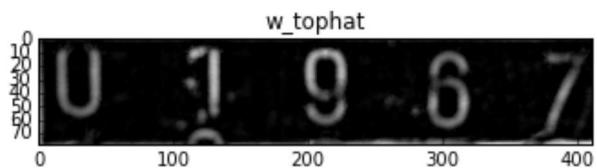
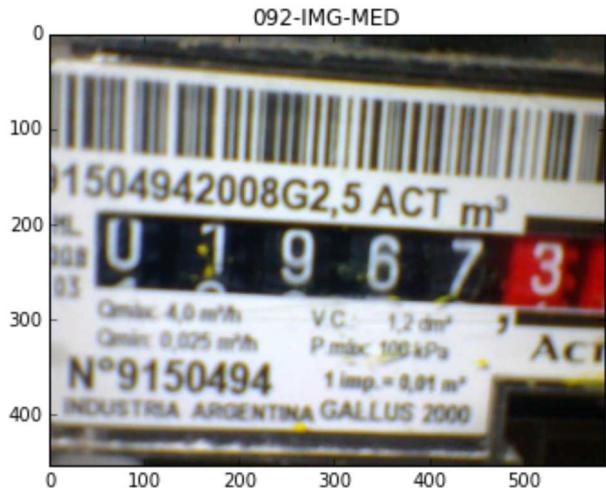
090-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00000	[0 0 0 0 0]	OK	100%	0.2
ELM	00000	[0 0 0 0 0]	OK	100%	0.02



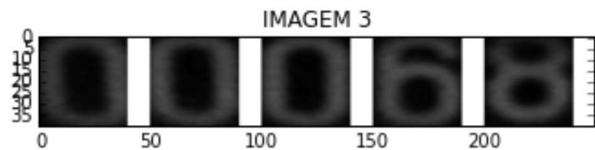
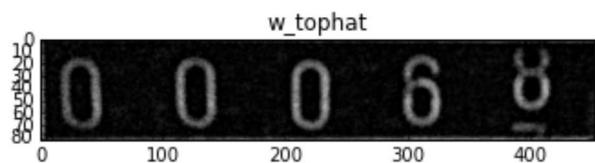
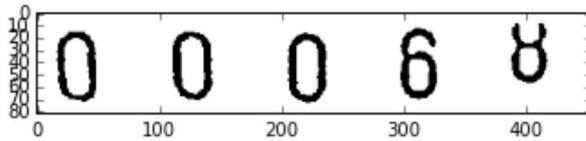
091-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	3828	[3 8 2 8]	OK	100%	0.25
ELM	3828	[3 8 2 8]	OK	100%	0.06



092-IMG-MED

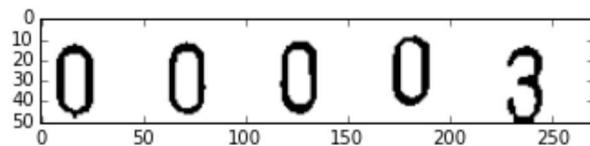
Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	01967	[0 3 9 6 7]	* INCORRETA *	80.0	0.2
ELM	01967	[0 1 9 6 7]	OK	100%	0.02



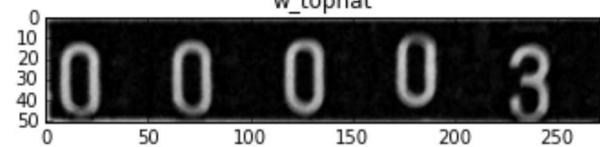
093-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00068	[8 0 0 6 8]	*INCORRETA*	80.0	0.2
ELM	00068	[0 0 0 6 6]	PARCIAL	80.0	0.03

094-IMG-MED



w_tophat



morf_p3 diltacao

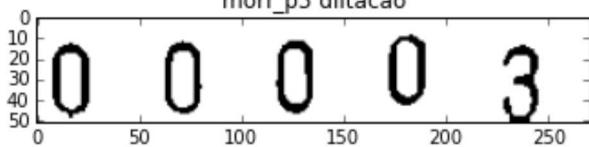
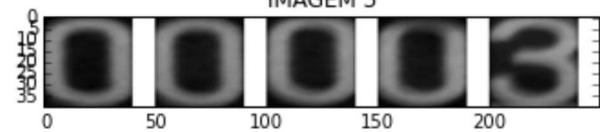


IMAGEM 3

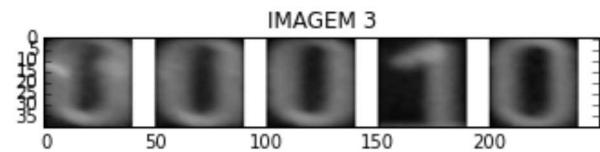
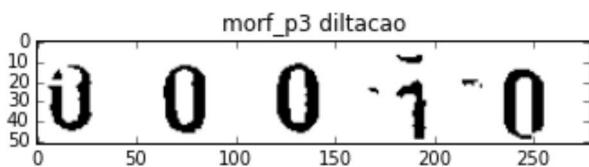
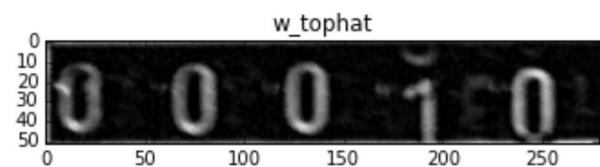
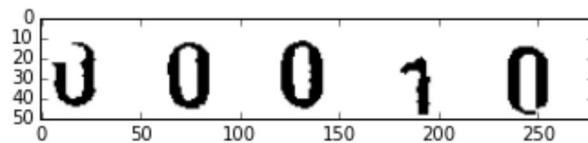


BINARIA



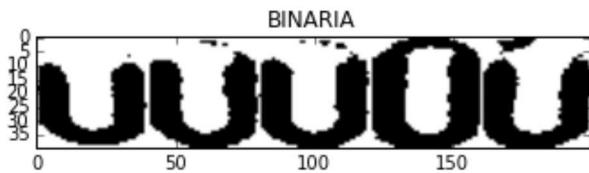
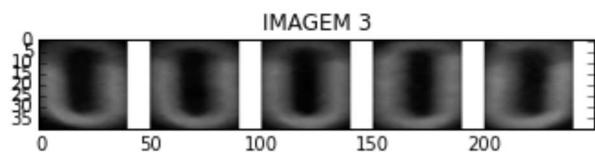
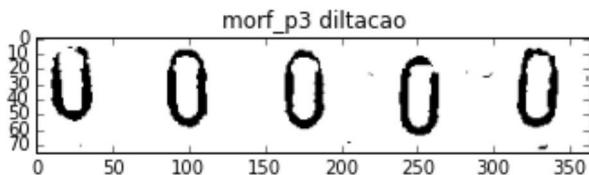
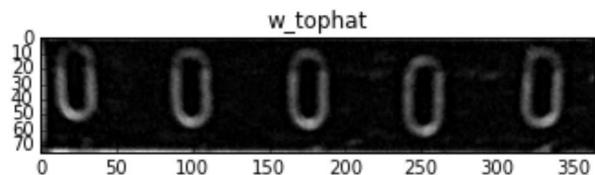
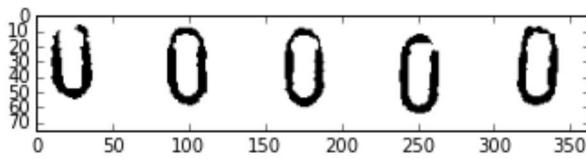
094-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00003	[0 0 0 0 3]	OK	100%	0.21
ELM	00003	[0 0 0 0 3]	OK	100%	0.03



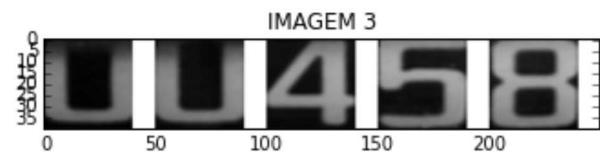
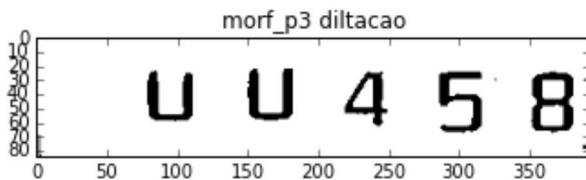
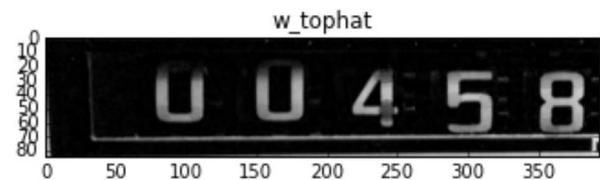
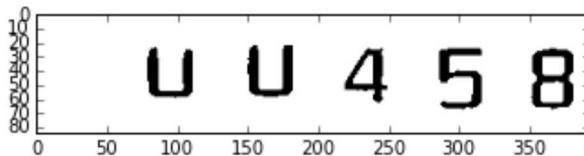
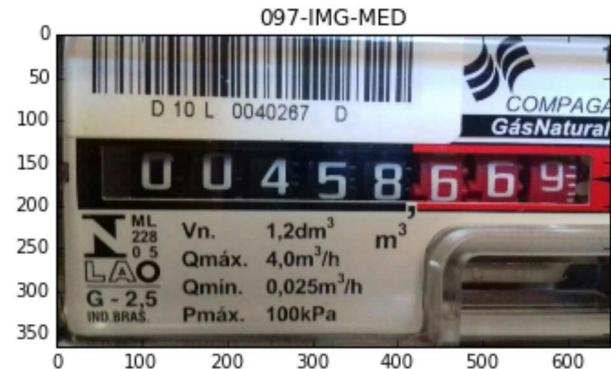
095-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00010	[0 0 0 1 0]	OK	100%	0.2
ELM	00010	[0 0 0 1 0]	OK	100%	0.03



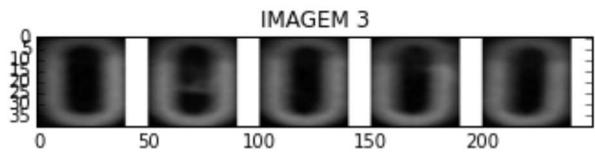
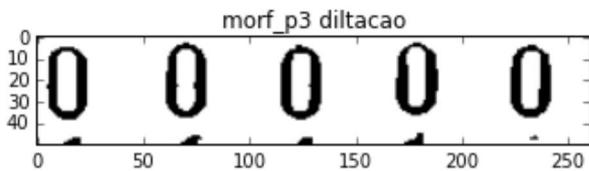
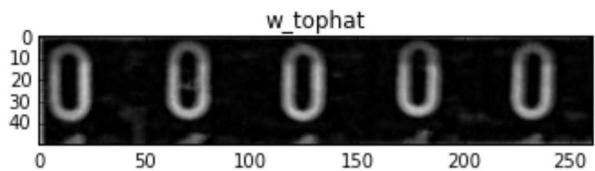
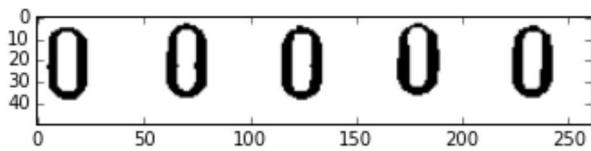
096-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00000	[0 0 0 0 0]	OK	100%	0.2
ELM	00000	[0 0 0 0 0]	OK	100%	0.02



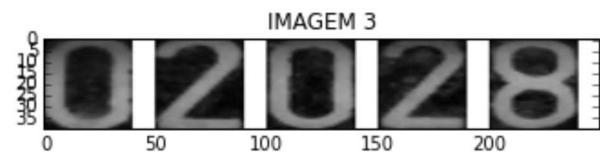
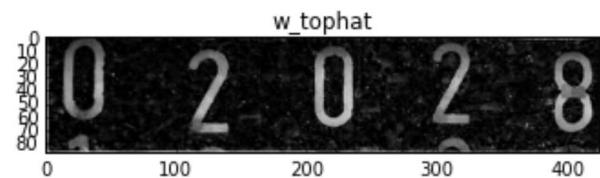
097-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00458	[0 0 4 5 8]	OK	100%	0.25
ELM	00458	[0 0 4 5 8]	OK	100%	0.02



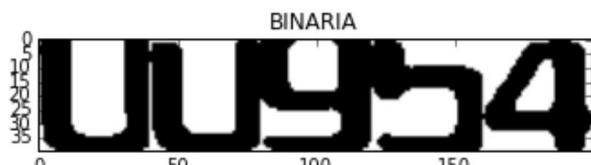
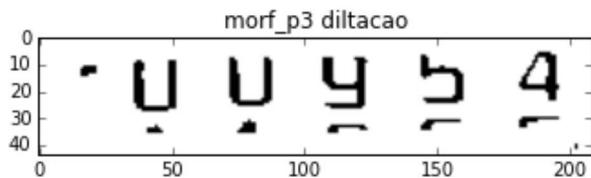
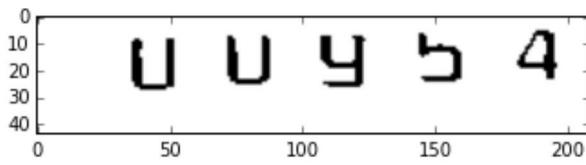
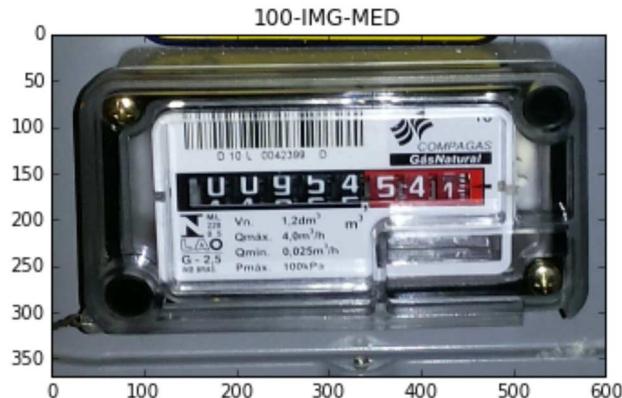
098-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00000	[0 0 0 0 0]	OK	100%	0.21
ELM	00000	[0 0 0 0 0]	OK	100%	0.03



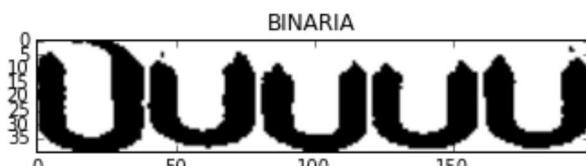
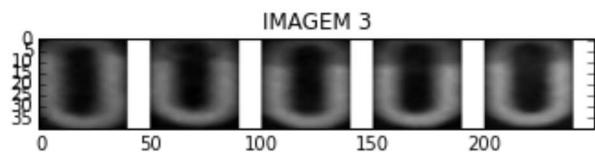
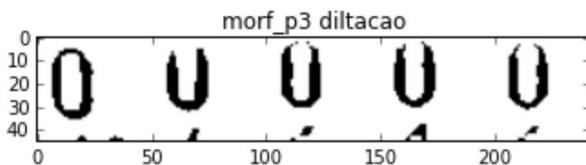
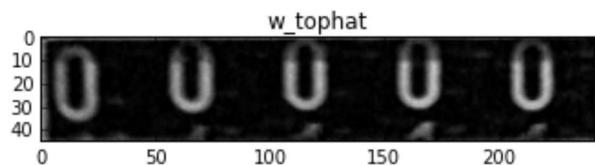
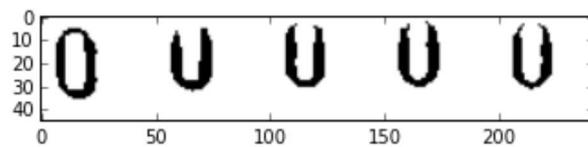
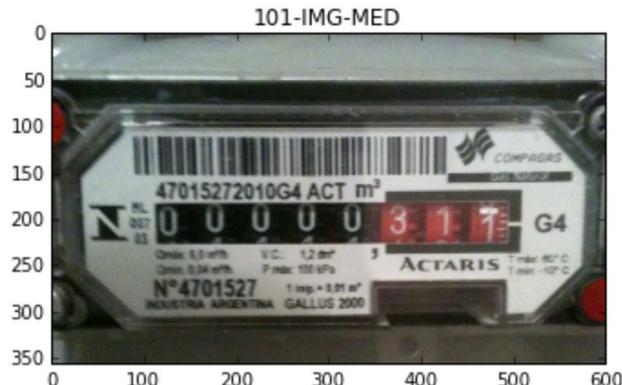
099-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	02028	[0 2 0 2 8]	OK	100%	0.2
ELM	02028	[0 2 0 2 8]	OK	100%	0.02



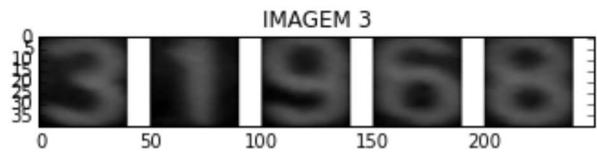
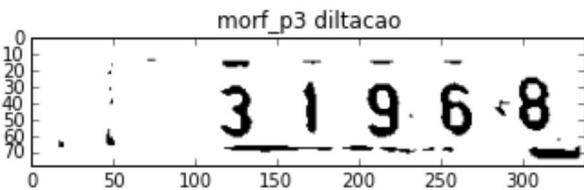
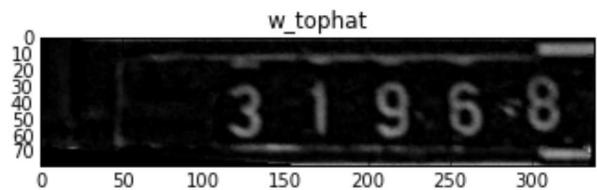
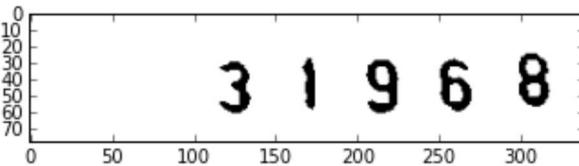
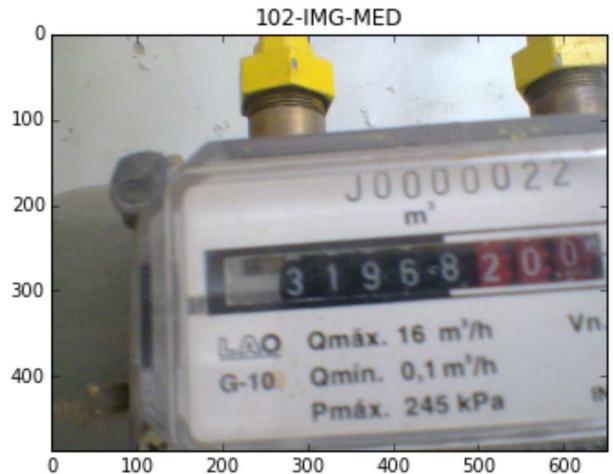
100-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00954	[0 0 9 5 4]	OK	100%	0.2
ELM	00954	[0 0 9 5 4]	OK	100%	0.02



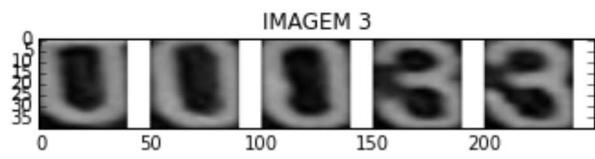
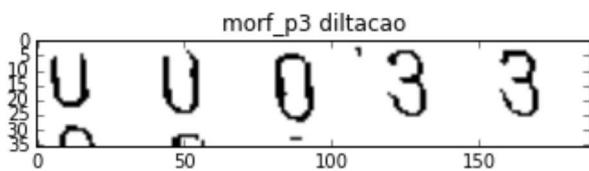
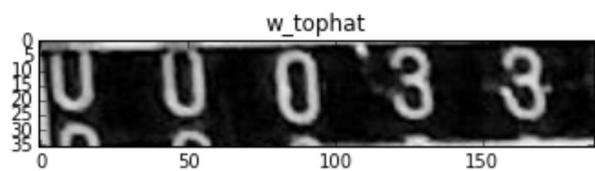
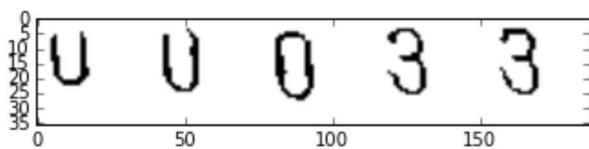
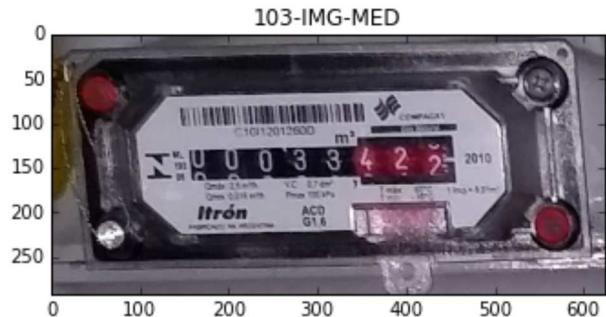
101-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00000	[0 0 0 0 0]	OK	100%	0.22
ELM	00000	[0 0 0 0 0]	OK	100%	0.02



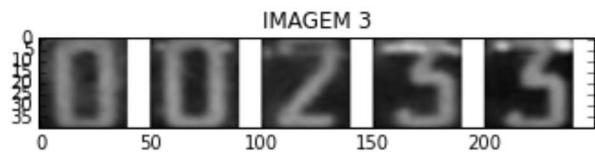
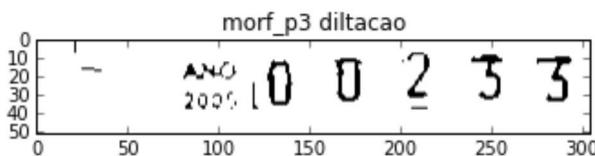
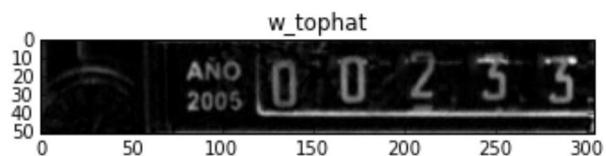
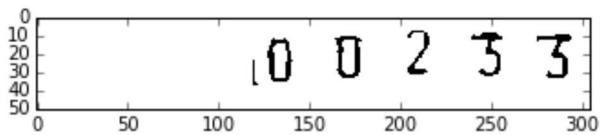
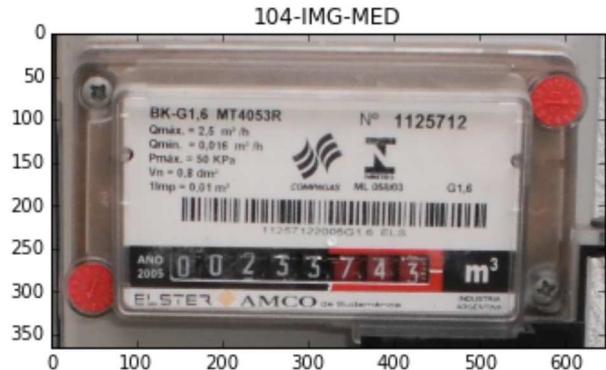
102-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	31968	[3 1 9 6 8]	OK	100%	0.22
ELM	31968	[3 1 9 6 8]	OK	100%	0.02



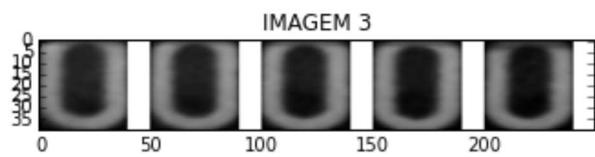
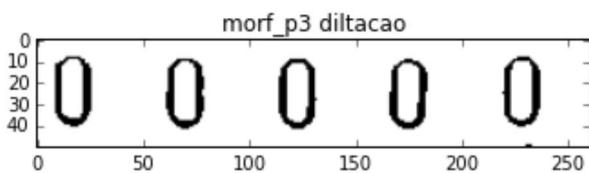
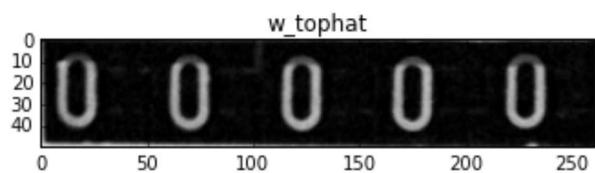
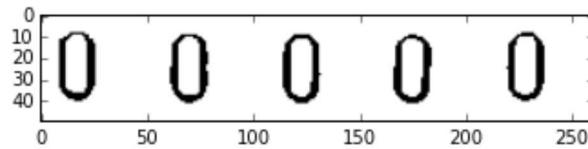
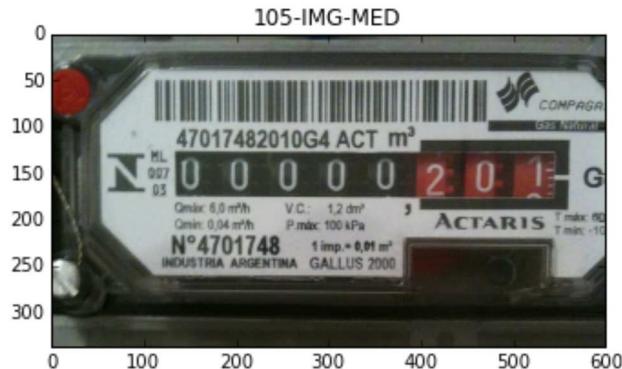
103-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00033	[0 0 0 8 8]	* INCORRETA*	60.0	0.23
ELM	00033	[0 0 0 3 8]	PARCIAL	80.0	0.04



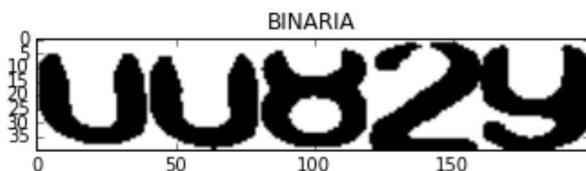
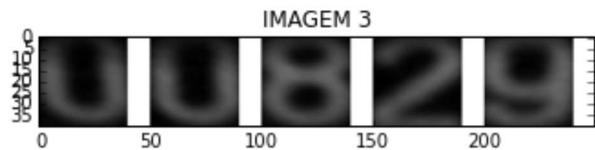
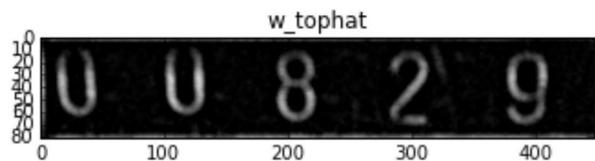
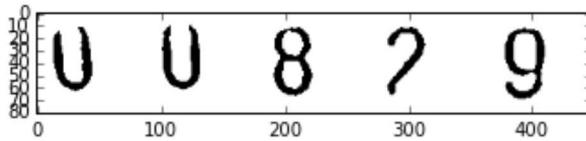
104-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00233	[0 0 2 5 5]	*INCORRETA*	60.0	0.26
ELM	00233	[8 0 2 3 5]	*INCORRETA*	60.0	0.03



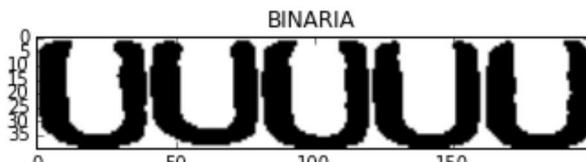
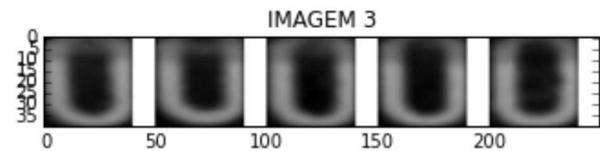
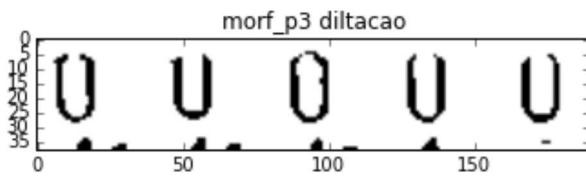
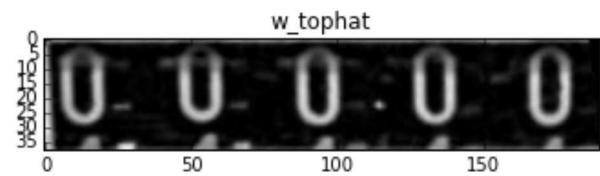
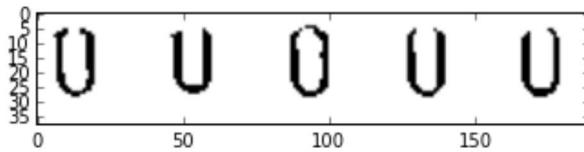
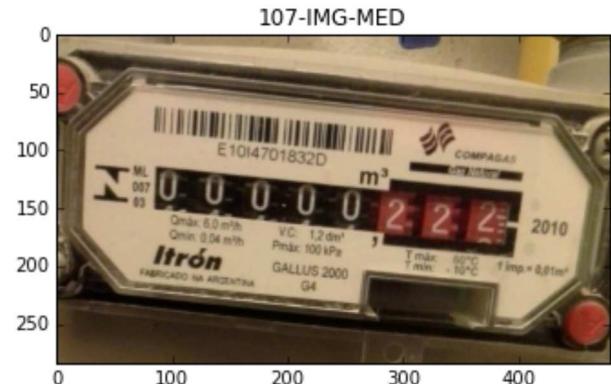
105-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00000	[0 0 0 0 0]	OK	100%	0.21
ELM	00000	[0 0 0 0 0]	OK	100%	0.02



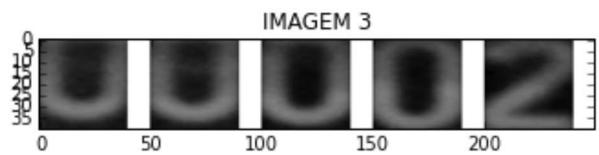
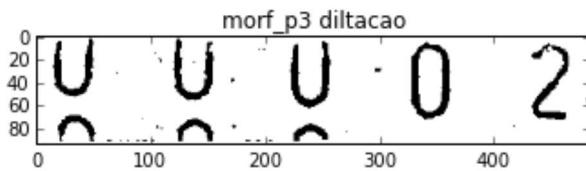
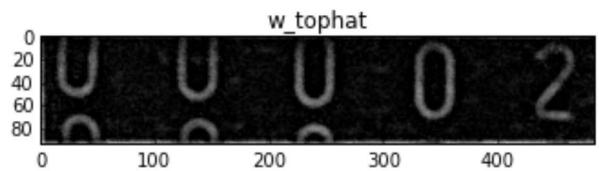
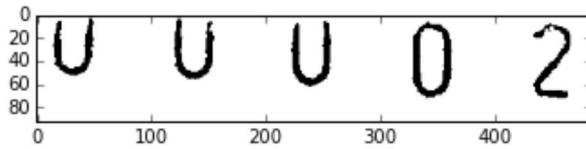
106-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00829	[0 0 8 2 9]	OK	100%	0.21
ELM	00829	[0 0 8 2 9]	OK	100%	0.02



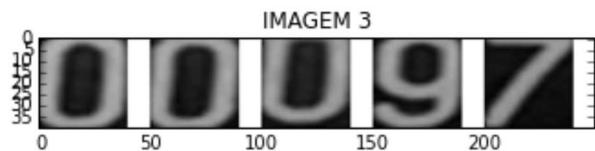
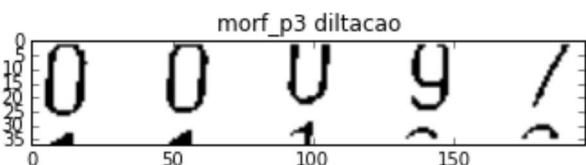
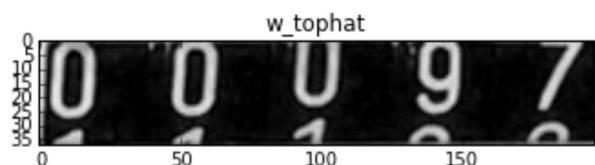
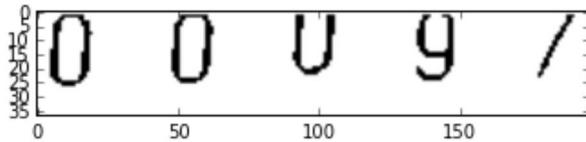
107-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00000	[0 0 0 0 0]	OK	100%	0.2
ELM	00000	[0 0 0 0 0]	OK	100%	0.02



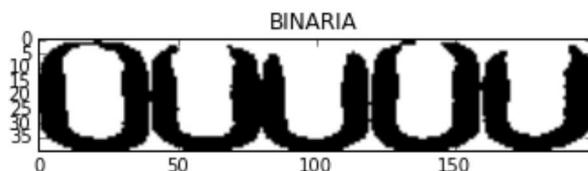
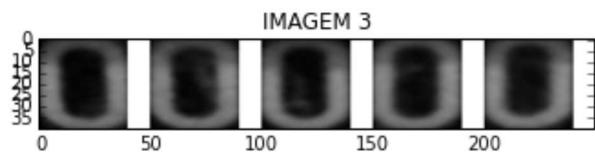
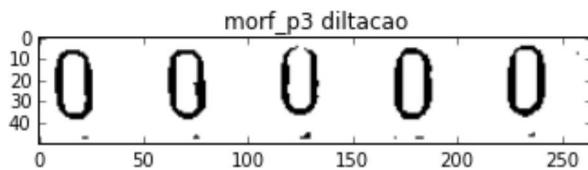
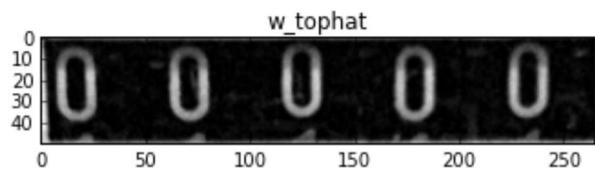
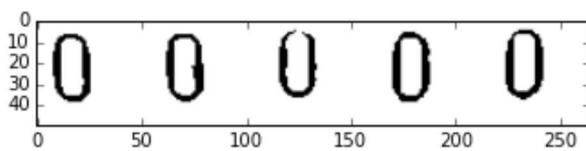
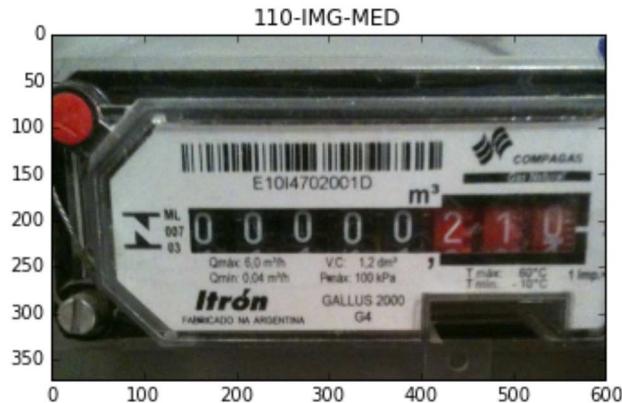
108-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00002	[0 0 0 0 2]	OK	100%	0.2
ELM	00002	[0 0 0 0 2]	OK	100%	0.03



109-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00097	[0 0 0 9 7]	OK	100%	0.22
ELM	00097	[0 0 0 9 7]	OK	100%	0.03



110-IMG-MED

Classificador	Esperado	Resultado	Leitura Reconhecida	Dígitos Reconhecidos	Tempo
SVM	00000	[0 0 0 0 0]	OK	100%	0.21
ELM	00000	[0 0 0 0 0]	OK	100%	0.02

***** RESULTADOS *****

	Imagens	Sucesso	(%) Sucesso	Fracasso	(%) Falha
Localização da ROI	110	110	100.0	0	0.0

	Imagens	Leituras OK	Leituras Parciais	Leituras ERR	Digitos	Reconhecidos	Tempo
SVM	110	(89) 80.91%	(2) 1.82%	(19) 17.27%	544	(513) 94.3%	0.22s
ELM	110	(88) 80.0%	(11) 10.0%	(11) 10.0%	544	(517) 95.04%	0.03s

Tempo decorrido TOTAL: 0:10:30.636000.... PROCESSAMENTO ENCERRADO

In []:

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