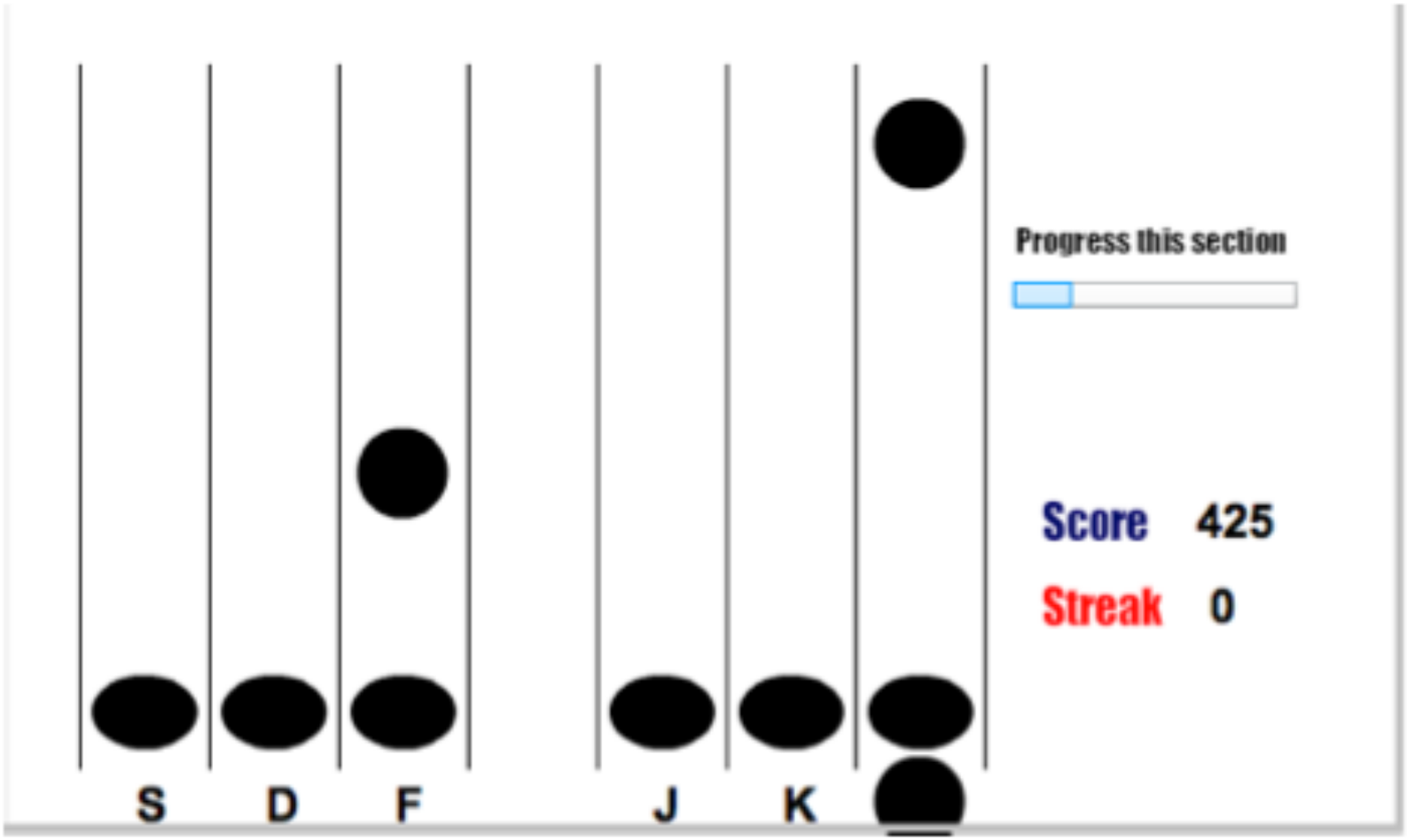

Progress this section
Score 425
Streak 0
S
D
F
J
K

Resurrecting Duckling

Imprinting on Mother:

- Device shares key on 1st contact with controller

Metempsychosis:

- Upon death, soul progresses to a new body

Reverse metempsychosis:

- Upon death, new soul can enter the body

Resistance to assassination:

- Only mother can kill her ducklings

Escrowed seppuku:

- Manufacturer can kill too

Cashier-as-a-Service (CAAS)

Ecommerce workflow:

1. Shopper surfs Merchant's site

2. Shopper sends over …/`place_order.html`
3. Merchant sends back redir. to `CAAS.com`

4. Shopper interacts with CAAS
5. CAAS interacts with Merchant

6. CAAS redirects shopper back to Merchant

CAAS Attack #1

S⟶M: `place_order.html`
[*M inserts ID and price into database; status=**PENDING***]

M⟶S⟶C: `get_payment?orderID=`*X*`&price=`*Y*
[*C records payment info, generates transaction # **T***]

C⟶S⟶M: `finish?transID=`*T*
[*M contacts C for identifer **X** associated w/ **T***]
[*M retrieves orderID=**X** from database;*
*if order status = **PENDING** ⟶ mark as **PAID**; ship X*]

CAAS Attack #2

S⟶M: `place_order.html`

[*M inserts ID and price into database; status=**PENDING***]

M⟶S⟶C: `get_payment?`$\texttt{SIGN}_{\text{M}}$`(ID=`*X*`,price=`*Y*`)`

[*C verifies signature; records payment info, generates # **T***]

C⟶S⟶M: `finish?`$\texttt{SIGN}_{\text{C}}$`(ID=`*X*`,price=`*Y*`,`**PAID**`)`

[*M verifies signature and **PAID** is indicated*]

[*M retrieves orderID=**X** from database;*

*if order status = **PENDING** ⟶ mark as **PAID**; ship X*]

CAAS Attack #2

S⟶M: `place_order.html`

[*M inserts ID and price into database; status=**PENDING***]

M⟶S⟶C: `get_payment?SIGN`$_{M'}$`(ID=`*X*`,price=`*Y*`)`

[*C verifies signature; records payment info, generates # **T***]

C⟶S⟶M: `finish?SIGN`$_{C}$`(ID=`*X*`,price=`*Y*`,`**PAID**`)`

[*M verifies signature and **PAID** is indicated*]

[*M retrieves orderID=**X** from database;*

*if order status = **PENDING** ⟶ mark as **PAID**; ship X*]

Fix for CAAS Attack #2

S⟶M: `place_order.html`
[*M inserts ID and price into database; status=**PENDING***]

M⟶S⟶C: `get_payment?`
`SIGN`$_M$`(ID=`*X*`,price=`*Y*`,`*merch=M*`)`
[*C verifies signature; records payment info, generates # **T***]

C⟶S⟶M: `finish?`
`SIGN`$_C$`(ID=`*X*`,price=`*Y*`,`*merch=M*`,`**PAID**`)`
[*M verifies signature and **PAID** is indicated, etc.*]
[*M retrieves orderID=**X** from database;*
*if order status = **PENDING** → mark as **PAID**; ship X*]

Better Fix for CAAS Attack #2

S⟶M: `place_order.html`
[*M inserts ID and price into database; status=**PENDING***]

M⟶S⟶C: `get_payment?`
`SIGN`$_M$`(ID=`*X*`,price=`*Y*`,merch=`*M*`,shop=`*S*`)`
[*C verifies signature; records payment info, generates # **T***]

C⟶S⟶M: `finish?`
`SIGN`$_C$`(ID=`*X*`,price=`*Y*`,merch=`*M*`,shop=`*S*`,`**PAID**`)`
[*M verifies signature and **PAID** is indicated, etc.*]
[*M retrieves orderID=**X** from database;*
*if order status = **PENDING** ⟶ mark as **PAID**; ship X*]

CAAS Attack #3

…

S⟶M: `checkout?ID=`*X*`&price=`*Y*

[*M sets* `session_status[S]` ⟵
`confirm_with_C(shop=`*S*`,ID=`*X*`,price=`*Y*`)`]

M⟶S⟶M: `update_status?SIGN`$_{\texttt{M}}$`(ID=`*X*`)`

[*M validates signature;*
if `session_status[S]=` ***CONFIRMED*** ⟶
`session_status[S]=` ***PAID****; ship X*]

CAAS Attack #3

S⟶M: `checkout?ID=`X_1`&price=`Y_1

[*M sets* `session_status[S]` ⟵

`confirm_with_C(…,`X_1`,`Y_1`)` ⟵ ***FAILED***]

M⟶S: `update_status?SIGN`$_M$`(ID=`X_1`)`

CAAS Attack #3

S⟶M: `checkout?ID=`X_1`&price=`Y_1

[*M sets* `session_status[S]` ⟵
`confirm_with_C(…,`X_1`,`Y_1`)` ⟵ ***FAILED***]

M⟶S: `update_status?SIGN`$_M$`(ID=`X_1`)`

S⟶M: `checkout?ID=`X_2`&price=`Y_2 $Y_2 \ll Y_1$

[*M sets* `session_status[S]` ⟵
`confirm_with_C(…,`X_2`,`Y_2`)` ⟵ ***CONFIRMED***]

CAAS Attack #3

S⟶M: `checkout?ID=`X_1`&price=`Y_1

[*M sets* `session_status[S]` ⟵
`confirm_with_C(…,`X_1`,`Y_1`)` ⟵ ***FAILED***]

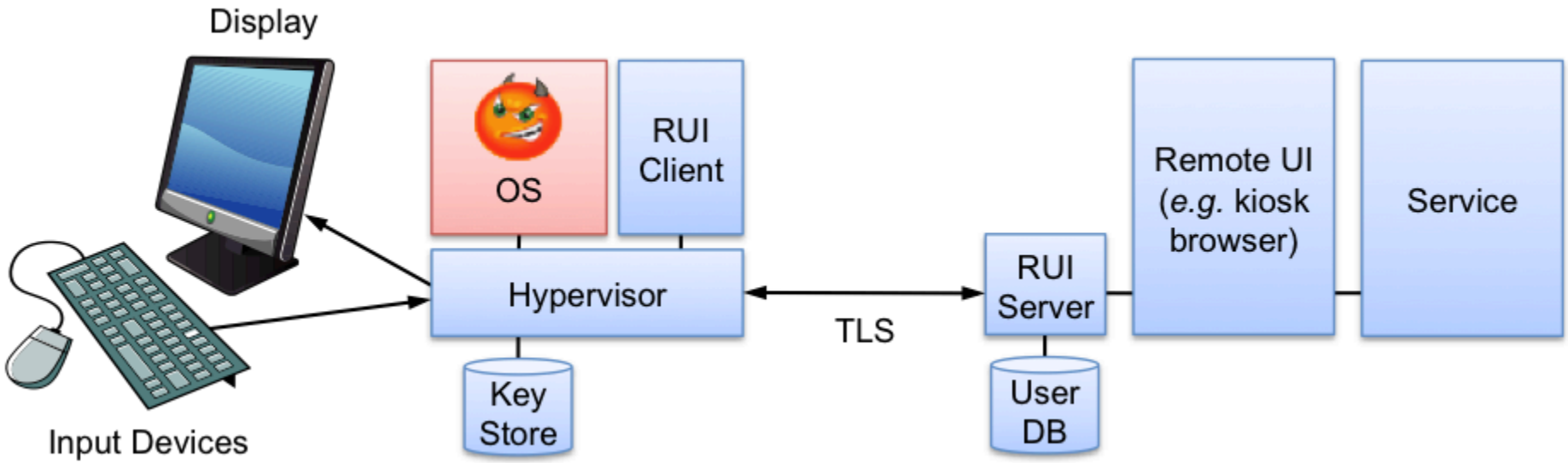
M⟶S: `update_status?SIGN`$_M$`(ID=`X_1`)`

S⟶M: `checkout?ID=`X_2`&price=`Y_2 $Y_2 \ll Y_1$

[*M sets* `session_status[S]` ⟵
`confirm_with_C(…,`X_2`,`Y_2`)` ⟵ ***CONFIRMED***]

S⟶M: `update_status?SIGN`$_M$`(ID=`X_1`)`

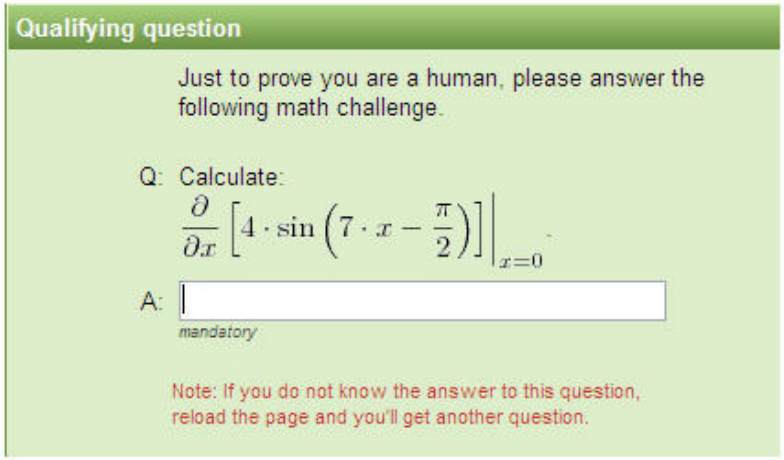
[*M validates signature;*
if `session_status[S]` = ***CONFIRMED*** →
`session_status[S]` = ***PAID***; *ship* X_1]


Display
OS
RUI Client
Hypervisor
Key Store
Input Devices
TLS
RUI Server
User DB
Remote UI (e.g. kiosk browser)
Service


vatinkes πύργους
reCAPTCHA™
stop spam.
read books.


Verify Your Registration
* Enter the code shown:
More info
This helps prevent automated registrations.


Please enter the code you see below. what's this?


Qualifying question
Just to prove you are a human, please answer the following math challenge.
Q: Calculate:
$\frac{\partial}{\partial x}\left[4 \cdot \sin\left(7 \cdot x - \frac{\pi}{2}\right)\right]\Big|_{x=0}$
A:
mandatory
Note: If you do not know the answer to this question, reload the page and you'll get another question.

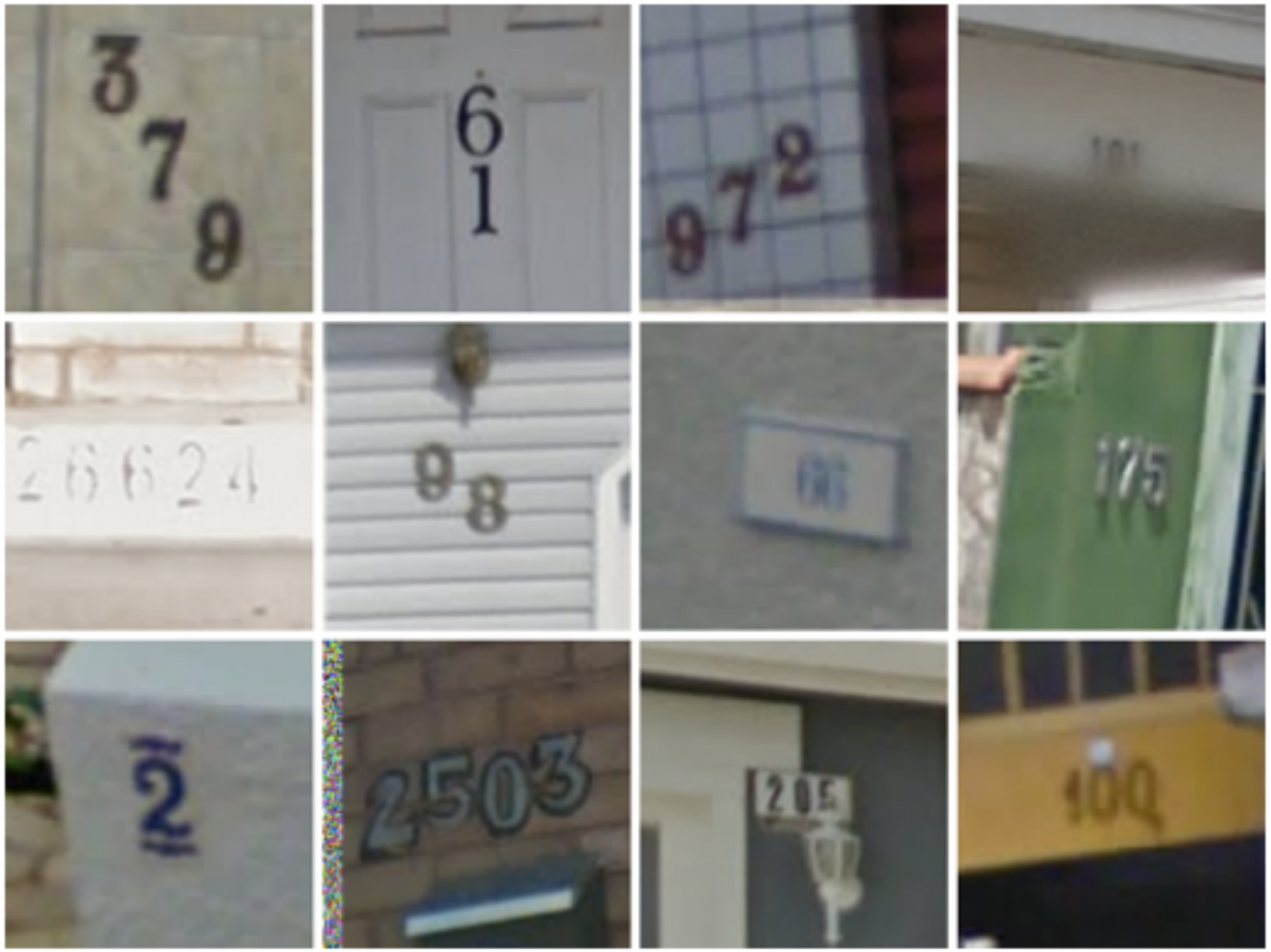
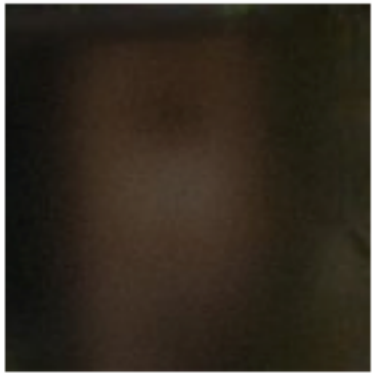


Figure 2: Difficult but correctly transcribed examples from the internal street numbers dataset.

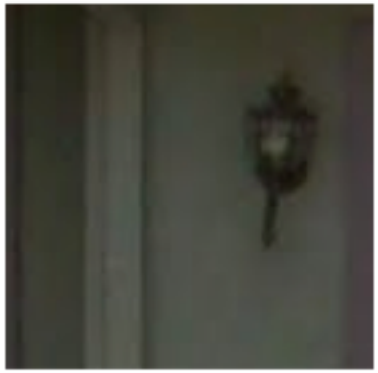
100 vs. 676



1110 vs. 2641

23 vs. 37

1 vs. 198



4 vs. 332

2 vs 239

1879 vs. 1879-1883

228 vs. 22B

96 vs. 86

1844 vs. 184

62 vs. 62-37

1180 vs. 1780

Figure 3: Examples of incorrectly transcribed street numbers from the large internal dataset

Figure 4: Examples of images from the hard CAPTCHA puzzles dataset.

Asirra

Asirra is a human interactive proof that asks users to identify photos of cats and dogs. It's powered by over ***two million photos*** *from our unique partnership with Petfinder.com. Protect your web site with Asirra — free!*

Please click on the images that show cats:


adopt me


adopt me


adopt me


adopt me


adopt me


adopt me


adopt me


adopt me

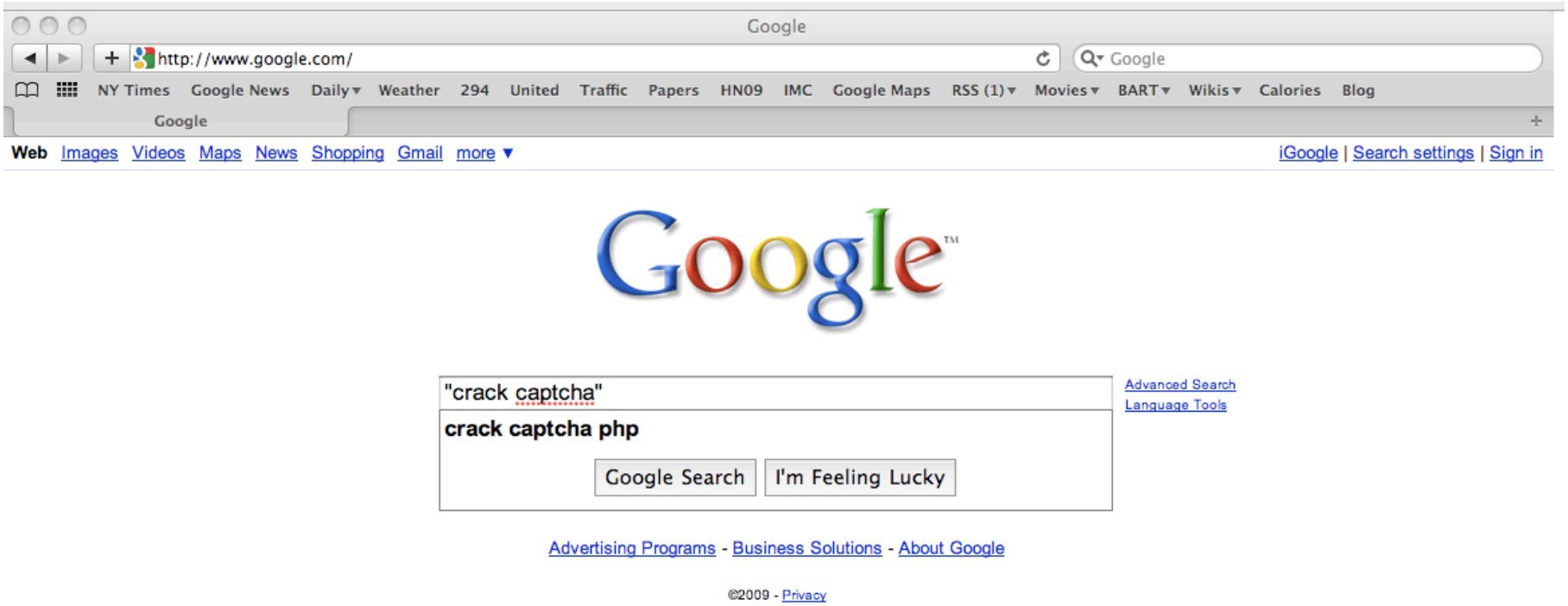

adopt me

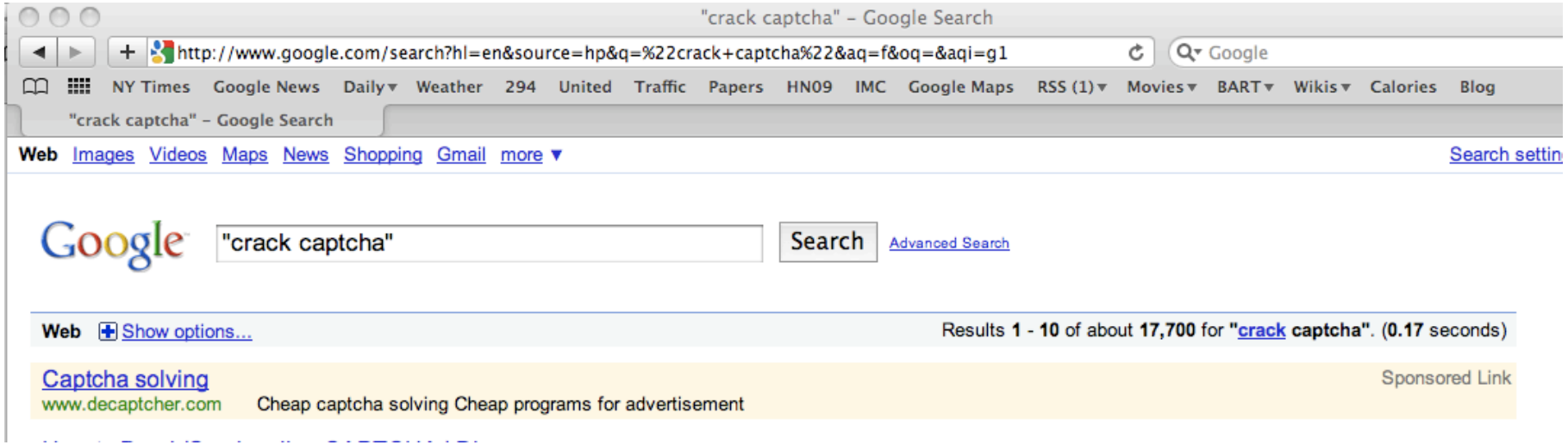

adopt me


adopt me


adopt me

Score Test


Google
http://www.google.com/
Google
NY Times Google News Daily Weather 294 United Traffic Papers HN09 IMC Google Maps RSS (1) Movies BART Wikis Calories Blog
Google
Web Images Videos Maps News Shopping Gmail more
iGoogle | Search settings | Sign in
Google
"crack captcha"
crack captcha php
Google Search
I'm Feeling Lucky
Advanced Search
Language Tools
Advertising Programs - Business Solutions - About Google
©2009 - Privacy



Using the advertisement in blogs, social networks, etc significantly increases the efficiency of the business. Many services use pictures called CAPTCHAs in order to prevent automated use of these services.

Solve CAPTCHAs with the help of this portal, increase your business efficiency now!

Follow these steps:

Register
Login and follow the link inside to load funds to your account.
Your request will be processed ASAP.

You pay for correctly recognized CAPTCHAs only
The price is $2 for 1000 CAPTCHAs. We accept payments from $10.

If you use a third-party software the price could be different, contact the software vendor for more information.

Hi! I want to bypass captcha from my bots. Bots have different IPs. Is it possible to use your service from many IPs?

> We have no restrictions about IP: with DeCaptcher you can bypass CAPTCHA from as many IPs as you need.

Hi. I need to crack captcha. Do you provide a captcha decoders?

> DeCaptcher CAPTCHA solving is processed by humans. So the accuracy is much better than an automated captcha solver ones

Language	Example	AG	BC	BY	CB	DC	IT	All
English	one two three	51.1	37.6	4.76	40.6	39.0	62.0	39.2
Chinese (Simp.)	一 二 三	48.4	31.0	0.00	68.9	26.9	35.8	35.2
Chinese (Trad.)	一 二 三	52.9	24.4	0.00	63.8	30.2	33.0	34.1
Spanish	uno dos tres	1.81	13.8	0.00	2.90	7.78	56.8	13.9
Italian	uno due tre	3.65	8.45	0.00	4.65	5.44	57.1	13.2
Tagalog	isá dalawá tatló	0.00	5.79	0.00	0.00	7.84	57.2	11.8
Portuguese	um dois três	3.15	10.1	0.00	1.48	3.98	48.9	11.3
Russian	один два три	24.1	0.00	0.00	11.4	0.55	16.5	8.76
Tamil	ஒன்று இரண்டு மூன்று	2.26	21.1	3.26	0.74	12.1	5.36	7.47
Dutch	een twee drie	4.09	1.36	0.00	0.00	1.22	31.1	6.30
Hindi	एक दो तीन	10.5	5.38	2.47	1.52	6.30	9.49	5.94
German	eins zwei drei	3.62	0.72	0.00	1.46	0.58	29.1	5.91
Malay	satu dua tiga	0.00	1.42	0.00	0.00	0.55	29.4	5.23
Vietnamese	một hai ba	0.46	2.07	0.00	0.00	1.74	18.1	3.72
Korean	일 이 삼	0.00	0.00	0.00	0.00	0.00	20.2	3.37
Greek	ένα δύο τρία	0.45	0.00	0.00	0.00	0.00	15.5	2.65
Arabic	واحد اثنين ثلاثة	0.00	0.00	0.00	0.00	0.00	15.3	2.56
Bengali	এক দুই তিন	0.45	0.00	9.89	0.00	0.00	0.00	1.72
Kannada	ಒಂದು ಎರಡು ಮೂರು	0.91	0.00	0.00	0.00	0.55	6.14	1.26
Klingon		0.00	0.00	0.00	0.00	0.00	1.12	0.19
Farsi	یک دو سه	0.45	0.00	0.00	0.00	0.00	0.00	0.08

Table 2: Percentage of responses from the services with correct answers for the language CAPTCHAs.