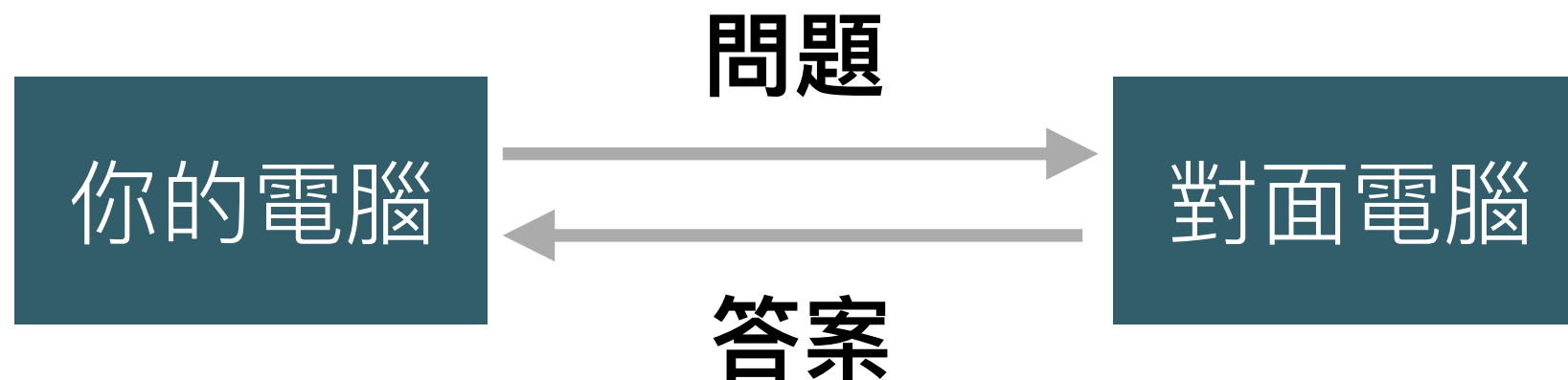




網路介紹

網路是什麼



什麼是一個問題呢？就是平常我們在
網址列輸入的網址

什麼是一個答案呢？就是平常我們看
到的各種網頁上的資訊

網址解析

- 下面是我們在瀏覽列搜尋apple得到的網址

Request URL: `https://www.google.com/search?q=apple&oq=apple&aqs=chrome..69i57j69i60j69i65l3j69i60.2115j0j4&sourceid=chrome&ie=UTF-8`

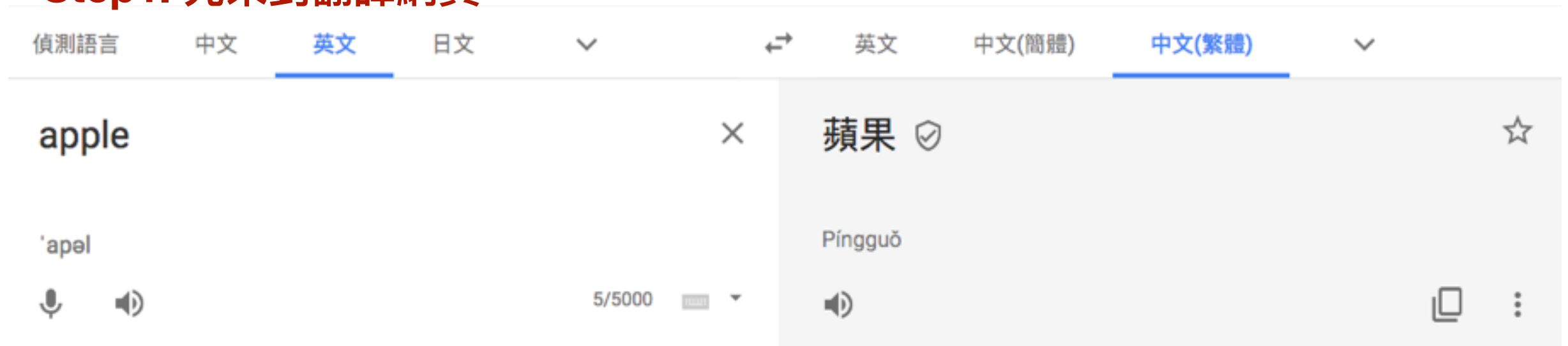
- 網址總共分四部分
 - https: 使用的語言
 - www.google.com: 對面電腦的住址
 - search: 問的問題
 - q=apple: 這問題的必要資訊

練習1

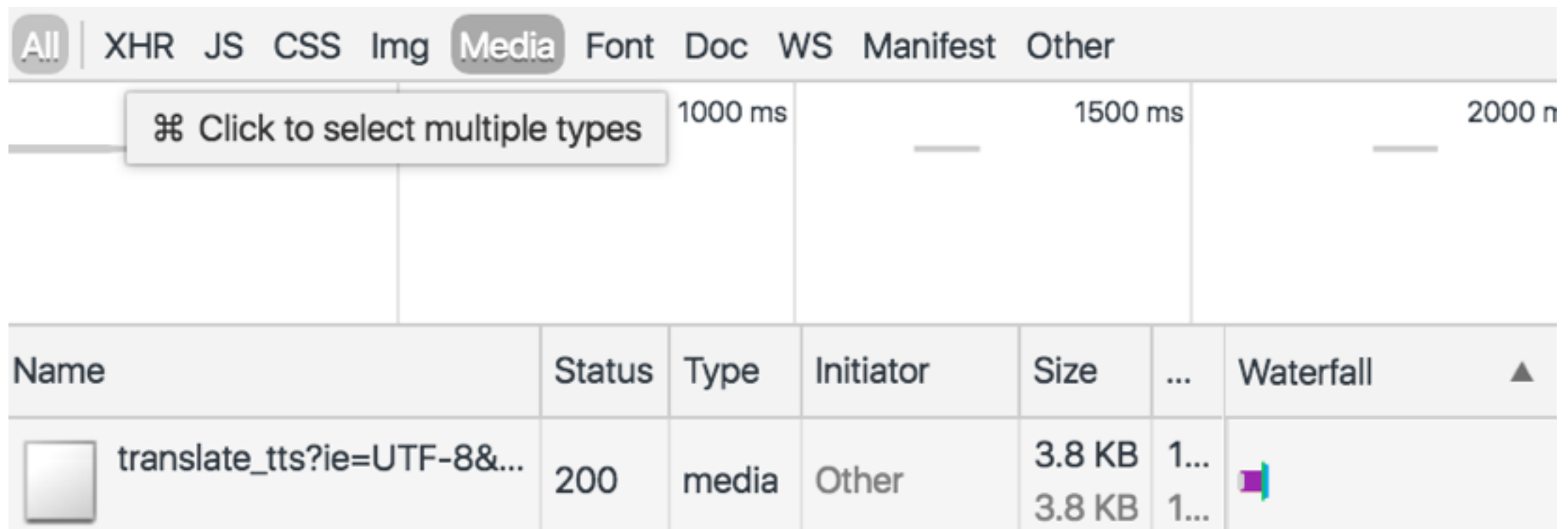
下載Google小姐

找出真正問題

Step1. 先來到翻譯網頁

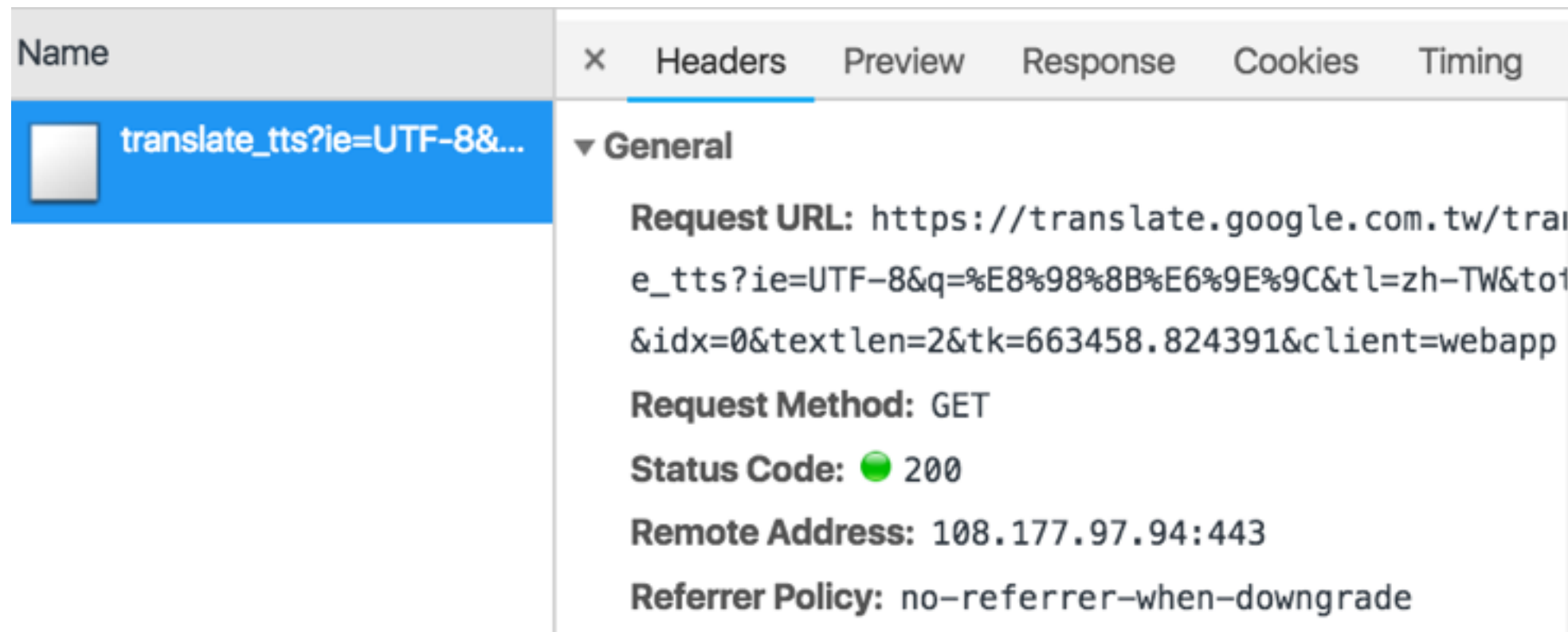


Step2. F12(開發人員工具) -> Network -> Media

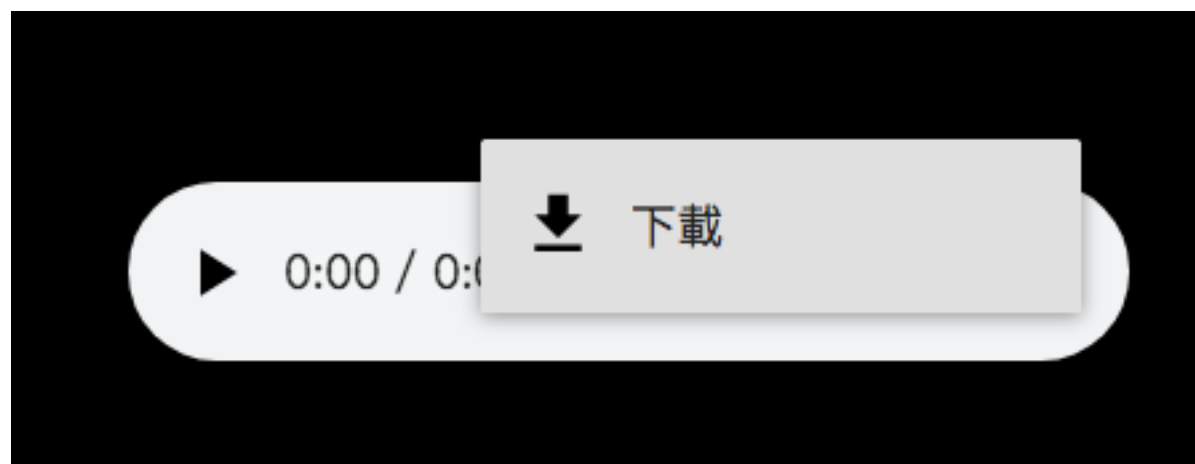


下載

Step3. 點擊問題看到網址



Step4. 輸入到網址列即可完成下載



練習2

Youtube下載

找到真正問題

Step1. F12(開發人員工具) -> Network -> xhr

The screenshot displays the Chrome DevTools Network tab. On the left, a list of network requests is shown. The request 'videoplayback?ei=U04P...r2---sn-ipoxu-un56.goo...' is selected and highlighted in blue. Below the list, it shows '22 / 104 requests | 5.2 MB / 5.7...'. On the right, the 'Headers' tab is active, showing the 'General' section. The 'Request URL' is displayed as a long, complex URL starting with 'https://r2---sn-ipoxu-un56.googlevideo.com/videoplayback?ei=U04PXJv6EfH-gAP35bfoBw&gcr=tw&pcm2cms=yes&fmt=1541332657918965&ip=223.137.90.167&expire=1544528563&aitags=133%2C134%2C135%2C136%2C137%2C160%2C242%2C243%2C244%2C247%2C248%2C278%2C394%2C395%2C396%2C397%2C398&id=o-AEHp1oJYJGEwTyNBRZJNRnV8g2Lk0qM4ssG0F_lxc4Hi&key=yt6&c=WEB&keepalive=yes&initcwndbps=996250&source=youtu&sparams=aitags%2Cclen%2Cdur%2Cei%2Cgcr%2Cgir%2Cid%2Cinitcwndbps%2Cip%2Cipbits%2Citag%2Ckeepalive%2Clmt%2Cmime%2Cmm%2Cmn%2Cms%2Cmv%2Cpcm2cms%2Cpl%2Crequiresl%2Csource%2Cexpire&pl=18&beids=9466588&txp=5533432&requiresl=yes&fvip=2&ipbits=0&mime=video%2Fwebm&clen=17191809&gir=yes&itag=244&mn=sn-ipoxu-un56%2Csn-i3b7knld&mm=31%2C26&ms=au%2Conr&mv=m&mt=1544506882&dur=219.219&alr=yes&signature=E0A15EF9EDB8CDED8EA0F103DAC3A19524D19D31.47F0498F8D0B390C019CF17DC5E67C974C862436&cpn=NZ7klN_veYxsyCbn&cver=2.20181206&range=0-191381&altitags=243%2C242&rn=1&rbuf=0'.

Name	Headers	Preview	Response	Timing
<input type="checkbox"/> get_midroll_info				
<input checked="" type="checkbox"/> videoplayback?ei=U04P... r2---sn-ipoxu-un56.goo...	General Request URL: https://r2---sn-ipoxu-un56.googlevideo.com/videoplayback?ei=U04PXJv6EfH-gAP35bfoBw&gcr=tw&pcm2cms=yes&fmt=1541332657918965&ip=223.137.90.167&expire=1544528563&aitags=133%2C134%2C135%2C136%2C137%2C160%2C242%2C243%2C244%2C247%2C248%2C278%2C394%2C395%2C396%2C397%2C398&id=o-AEHp1oJYJGEwTyNBRZJNRnV8g2Lk0qM4ssG0F_lxc4Hi&key=yt6&c=WEB&keepalive=yes&initcwndbps=996250&source=youtu&sparams=aitags%2Cclen%2Cdur%2Cei%2Cgcr%2Cgir%2Cid%2Cinitcwndbps%2Cip%2Cipbits%2Citag%2Ckeepalive%2Clmt%2Cmime%2Cmm%2Cmn%2Cms%2Cmv%2Cpcm2cms%2Cpl%2Crequiresl%2Csource%2Cexpire&pl=18&beids=9466588&txp=5533432&requiresl=yes&fvip=2&ipbits=0&mime=video%2Fwebm&clen=17191809&gir=yes&itag=244&mn=sn-ipoxu-un56%2Csn-i3b7knld&mm=31%2C26&ms=au%2Conr&mv=m&mt=1544506882&dur=219.219&alr=yes&signature=E0A15EF9EDB8CDED8EA0F103DAC3A19524D19D31.47F0498F8D0B390C019CF17DC5E67C974C862436&cpn=NZ7klN_veYxsyCbn&cver=2.20181206&range=0-191381&altitags=243%2C242&rn=1&rbuf=0			
<input type="checkbox"/> videoplayback?ei=U04P... r2---sn-ipoxu-un56.goo...				
<input type="checkbox"/> annotations_invideo?cap...				
<input type="checkbox"/> videoplayback?ei=U04P... r2---sn-ipoxu-un56.goo...				
<input type="checkbox"/> videoplayback?ei=U04P... r2---sn-ipoxu-un56.goo...				
<input type="checkbox"/> videoplayback?ei=U04P... r2---sn-ipoxu-un56.goo...				
<input type="checkbox"/> videoplayback?ei=U04P... r2---sn-ipoxu-un56.goo...				

22 / 104 requests | 5.2 MB / 5.7...

Step2. 往下拉你可以看到到底是video還audio(Youtube在播放的時候就是分開的)

content-type: video/webm

Step3. 再把剛剛的網址貼上去的時候記得要修改網址, 把range刪除才可以拿到完整影片

`&cver=2.20181206&range=0-191381&altitags:`

Step4. 到 <https://www.ffmpeg.org/> 下載ffmpeg, 並且打開電腦終端機輸入下面指令, 即可擁有完整mp4

你的電腦路徑/ffmpeg -i 影片.webm -i 聲音.webm result.mp4

最終練習

Google Doodles下載

<https://repl.it/@Elwing/1115>



alexander-
borodins-...928-law.gif



cambodia-
independe...536-l.png



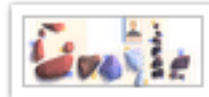
celebrating-amanda-
crowe-58...1392-l.png



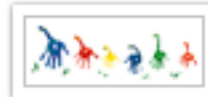
christy-essien-
igbokwes-...128-l.png



day-of-the-
dead-201...432-law.gif



elisa-leonida-
zamfiresc...7408-l.png



fathers-day-2018-
estonia-n...2144-l.png



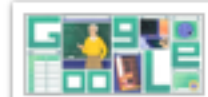
fathers-day-2018-
indonesia-...104-l.png



hind-rostoms-87th-
birthday-...4512-l.png



joseph-burr-
tyrrells-16...608-l.png



michael-
dertouzos...808-l.png



miriam-tlalis-85th-
birthday-5...880-l.png



panama-
independe...40-law.gif



poland-
independe...280-l.png



united-states-
elections-...00.6-l.png



veterans-
day-2018-...44.2-l.png