Cours de Manipulation des données avec Python.

Réalisé par Ketsia MULAPI TITA

TP pour la récupération des données sur internet : PREMIERE PARTIE

```
VOTRE_NOM_ICI ="Yann Fournier"
print(VOTRE_NOM_ICI)
Yann Fournier
```

TRAVAIL PRATIQUE

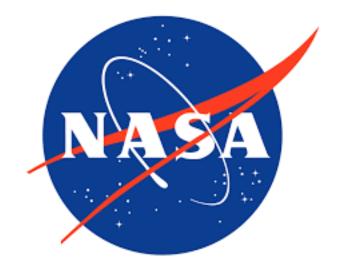
Dans un notebook propre à vous, répondez à chacune des parties suivantes :

Partie 1: HTML

```
<!-- Vous allez construire un fichier HTML de votre choix, objectif ?
construire une page web static (pas de javascript, juste HTML) -->
<html>
<head>
</head>
<body>
    <h1>Titre de la page</h1>
    <h3>What is Lorem Ipsum?</h3>
    >
        Lorem Ipsum is simply dummy text of the printing and
typesetting industry. Lorem Ipsum has been the industry's
        standard dummy text ever since the 1500s, when an unknown
printer took a galley of type and scrambled it to make
        a type specimen book. It has survived not only five centuries,
but also the leap into electronic typesetting,
        remaining essentially unchanged. It was popularised in the
1960s with the release of Letraset sheets containing
        Lorem Ipsum passages, and more recently with desktop
publishing software like Aldus PageMaker including versions
```

of Lorem Ipsum. <h3>Why do we use it?</h3> It is a long established fact that a reader will be distracted by the readable content of a page when looking at its layout. The point of using Lorem Ipsum is that it has a more-or-less normal distribution of letters, as opposed to using 'Content here, content here', making it look like readable English. Many desktop publishing packages and web page editors now use Lorem Ipsum as their default model text, and a search for 'lorem ipsum' will uncover many web sites still in their infancy. Various versions have evolved over the years, sometimes by accident, sometimes on purpose (injected humour and the like). <h3>Where does it come from?</h3> > Contrary to popular belief, Lorem Ipsum is not simply random text. It has roots in a piece of classical Latin literature from 45 BC, making it over 2000 years old. Richard McClintock, a Latin professor at Hampden-Sydney College in Virginia, looked up one of the more obscure Latin words, consectetur, from a Lorem Ipsum passage, and going through the cites of the word in classical literature, discovered the undoubtable source. Lorem Ipsum comes from sections 1.10.32 and 1.10.33 of "de Finibus Bonorum et Malorum" (The Extremes of Good and Evil) by Cicero, written in 45 BC. This book is a treatise on the theory of ethics, very popular during the Renaissance. The first line of Lorem Ipsum, "Lorem ipsum dolor sit amet..", comes from a line in section 1.10.32. The standard chunk of Lorem Ipsum used since the 1500s is reproduced below for those interested. Sections 1.10.32 and 1.10.33 from "de Finibus Bonorum et Malorum" by Cicero are also reproduced in their exact original form, accompanied by English versions from the 1914 translation by H. Rackham. <h3>Where can I get some?</h3> There are many variations of passages of Lorem Ipsum available, but the majority have suffered alteration in some form, by injected humour, or randomised words which don't look even slightly believable. If you are going to use a passage of Lorem Ipsum, you need to be sure there isn't anything embarrassing hidden in the middle of text. All the Lorem Ipsum generators on the Internet tend to repeat predefined chunks as necessary, making this the first true generator on the Internet. It uses a dictionary of

Partie 2 : XML - Xpath (manuellement)



vous allez analyser et comprendre le fichier XML suivant :
spatial.xml

écrire la syntaxe xpath qui répond aux questions ci-dessous , lors de la deuxième partie de ce chapitre vous aurez l'occasion d'utiliser python avec xpath.

Récupérez le fichier spatial.xml. Trouvez les requêtes XPath récupérant les informations demandées ci-dessous (Plusieurs solutions sont possibles, vous met- trez celles qui vous paraissent pertinentes dans votre rapport. Attention, il vous est parfois demandé le texte et parfois les noeuds):

- le nom des nations qui ont un programme spatial
- les astronautes dont le rôle a été au moins une fois commandant
- les dates des missions habités
- la mission du 1965-01-09 si elle est habitée (si elle ne l'est pas, la requête ne renverra rien)
- le nom du commandant de la mission Apollo 11
- le nom des mission sans astronaute enregistré

- la dernière mission américaine enregistrée dans le fichier
- la mission qui précède Voskhod 2 dans le fichier
- les missions où 1 seul astronaute est enregistré

```
from lxml import etree
# Charger le fichier XML
tree = etree.parse("spatial.xml")
# Définition des xpath
# execution
# affichage
print("Nation name
----")
print("Xpath: './/nation/@nom'")
xpath expression = ".//nation/@nom"
nation name = tree.xpath(xpath expression)
print("Resultats:", nation name, "\n")
print("Nom des astronautes commandants
----")
print("Xpath:
'.//nation/programme/mission/astronaute[@role='commandant']/text()'")
xpath expression =
".//nation/programme/mission/astronaute[@role='commandant']/text()"
commandant name = tree.xpath(xpath expression)
print("Resultats:", commandant name, "\n")
print("Date des missions habitées
-----")
print("Xpath: './/nation/programme/mission[@type='habité']/@date'")
xpath expression = ".//nation/programme/mission[@type='habité']/@date"
lived missions date = tree.xpath(xpath expression)
print("Resultats:", lived missions date, "\n")
print("Mission du premier octobre 1965
----")
print("Xpath: './/nation/programme/mission[@date='1965-01-19']
[@type='habité']'")
xpath_expression = ".//nation/programme/mission[@date='1965-01-19']
[@type='habité']"
premier octobre 1965 mission = tree.xpath(xpath expression)
print("Resultats:", premier octobre 1965 mission, "\n")
```

```
print("Chef mission Apollo 11
print("Xpath: './/nation/programme/mission[@nom='Apollo
11']/astronaute[@role='commandant']/text()'")
xpath_expression = ".//nation/programme/mission[@nom='Apollo
11']/astronaute[@role='commandant']/text()"
chef mission Apollo 11 = tree.xpath(xpath expression)
print("Resultats:", chef mission Apollo 11, "\n")
print("Missions sans astronaute
----")
print("Xpath: './/nation/programme/mission[count(astronaute) =
0]/@nom'")
xpath expression = ".//nation/programme/mission[count(astronaute) =
0]/@nom"
missions sans astronaute = tree.xpath(xpath expression)
print("Resultats:", missions sans astronaute, "\n")
print("Derniere mission americane du fichier
-----")
print("Xpath:
'.//nation[@nom='USA']/programme[last()]/mission[last()]/@nom'")
xpath expression =
".//nation[@nom='USA']/programme[last()]/mission[last()]/@nom"
derniere mission americane fichier = tree.xpath(xpath expression)
print("Resultats:", derniere mission americane fichier, "\n")
print("Mission precedent Voskhod 2
----")
print("Xpath: './/nation/programme/mission[@nom='Voskhod
2']/preceding-sibling::*[1]/@nom'")
xpath_expression = ".//nation/programme/mission[@nom='Voskhod
2']/preceding-sibling::*[1]/@nom"
mission precedent Voskhod 2 = tree.xpath(xpath expression)
print("Resultats:", mission precedent Voskhod \(\overline{2}\), "\n")
print("Mission un astronaute enregistrer
______
- - - - - - - - - - " )
print("Xpath:
'.//nation/programme/mission[count(astronaute)=1]/@nom'")
xpath expression =
".//nation/programme/mission[count(astronaute)=1]/@nom"
mission un astronaute enregistrer = tree.xpath(xpath expression)
print("Resultats:", mission un astronaute enregistrer, "\n")
```

```
Nation name
Xpath: './/nation/@nom'
Resultats: ['USA', 'URSS']
Nom des astronautes commandants
Xpath:
'.//nation/programme/mission/astronaute[@role='commandant']/text()'
Resultats: ['Virgil Grissom', 'John Glenn', 'Scott Carpenter', 'Gordon Cooper', 'Virgil Grissom', 'James McDivitt', 'Gordon Cooper', 'Franck
               'Neil Armstrong', 'Thomas Stafford', 'John Young', 'Pete
Borman',
Conrad', 'Jim Lovell', 'Virgil Grissom', 'Walter Schirra', 'Franck
Borman', 'James McDivitt', 'Thomas Stafford', 'Neil Armstrong', 'Pete
Conrad', 'Jim Lovell', 'Alan Shepard', 'Dave Scott', 'John Young',
'Gene Cernan', 'Youri Gagarine', 'Guerman Titov', 'Andrian Nikolaïev',
'Pavel Popovitch', 'Valeri Bykovski', 'Valentina Terechkova',
'Vladimir Komarov', 'Pavel Beliaïev', 'Vladimir Komarov', 'Gueorgui
Beregovoi', 'Vladimir Shatalov', 'Boris Volynov', 'Georgi Shonin']
Date des missions habitées
Xpath: './/nation/programme/mission[@type='habité']/@date'
Resultats: ['1961-05-05', '1961-06-21', '1962-02-20', '1962-05-24',
Resultats: ['1961-05-05', '1961-06-21', '1962-02-20', '1962-05-24', '1962-10-03', '1963-05-15', '1965-03-23', '1965-06-03', '1965-08-21', '1965-12-15', '1965-12-04', '1966-03-16', '1966-06-03', '1966-07-18', '1966-09-12', '1966-11-11', '1967-01-27', '1968-10-11', '1968-12-21', '1969-03-03', '1969-05-18', '1969-07-16', '1969-11-14', '1970-04-11', '1971-01-31', '1971-07-26', '1972-04-16', '1972-12-07', '1961-04-12', '1961-08-06', '1962-08-11', '1962-08-12', '1963-06-14', '1963-06-16', '1964-10-12', '1965-03-18', '1967-04-23', '1968-10-26', '1969-01-14', '1969-01-15' '1969-10-11']
'1969-01-15', '1969-10-11']
Mission du premier octobre 1965
Xpath: './/nation/programme/mission[@date='1965-01-19']
[@type='habité']'
Resultats: []
Chef mission Apollo 11
Xpath: './/nation/programme/mission[@nom='Apollo
11']/astronaute[@role='commandant']/text()'
Resultats: ['Neil Armstrong']
```

```
Missions sans astronaute

Xpath: './/nation/programme/mission[count(astronaute) = 0]/@nom'
Resultats: ['Gemini 1', 'Gemini 2', 'Apollo 4', 'Apollo 5', 'Apollo 6', 'Soyouz 2']

Derniere mission americane du fichier

Xpath: './/nation[@nom='USA']/programme[last()]/mission[last()]/@nom'
Resultats: ['Apollo 17']

Mission precedent Voskhod 2

Xpath: './/nation/programme/mission[@nom='Voskhod 2']/preceding-sibling::*[1]/@nom'
Resultats: ['Voskhod 1']

Mission un astronaute enregistrer

Xpath: './/nation/programme/mission[count(astronaute)=1]/@nom'
Resultats: ['Mercury 3', 'Mercury 4', 'Mercury 6', 'Mercury 7', 'Mercury 8', 'Mercury 9', 'Vostok 1', 'Vostok 2', 'Vostok 3', 'Vostok 4', 'Vostok 5', 'Vostok 6', 'Soyouz 1', 'Soyouz 3']
```



<!-- vous allez construire un fichier XML de votre choix, en vous basant sur une logique structurelle de données simple isnpirée de

```
NETFLIX:
Titre Film, Producteur, Acteurs, Années, Genres, Pays, Langues, etc.
Vous pouvez vous limiter à 3 enregistrements ! -->
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE programmes SYSTEM "Netflix.dtd">
ogrammes>
   <series>
       <serie nom="Peaky Blinders">
           oducteur>Steven Knight/producteur>
           <dateDebut>12 septembre 2013</dateDebut>
           <dateDebut>3 avril 2022</dateDebut>
           <pays>Royaume-Unis</pays>
           <saisons>6</saisons>
           <episodes>36</episodes>
           <genre>Drame historique
           <acteur>Cillian Murphy</acteur>
           <acteur>Helen McCrory</acteur>
           <acteur>Paul Anderson</acteur>
           <acteur>Sophie Rundle</acteur>
       </serie>
       <serie nom="La casa de papel">
           oducteur>Álex Pina
           <dateDebut>2 mai 2017</dateDebut>
           <dateDebut>3 décembre 2021</dateDebut>
           <genre>Drame, Thriller, Braquage
           <pays>Espagne</pays>
           <saisons>5</saisons>
           <episodes>48</episodes>
           <acteur>Úrsula Corberó</acteur>
           <acteur>Álvaro Morte</acteur>
           <acteur>Itziar Ituño</acteur>
           <acteur>Pedro Alonso</acteur>
       </serie>
       <serie nom="Formula 1: Drive to Survive">
           oducteur>Formula One Group, Netflix/producteur>
           <dateDebut>8 mars 2019</dateDebut>
           <genre>Docu-fiction</genre>
           <saisons>6</saisons>
           <episodes>60
       </serie>
   </series>
```

Partie 3 : Faire des RegEx avec python pour aider Amazone dans la validaition des informations entrées pour la création des comptes



```
# Faire une fonction python qui permet de vérifier si les informations
d'un individu sont correcre , au moment de la création du compte
Amazone:
# - Nom : doit être ne majuscule
# - Prénom : commence apr une majuscule
# - Data de naissance : en jours mois année de deux façons différentes
: JJ/MM/AAAA ou JJ Mois AAAA
# - Adresse : Numéro, voie (rue, avenue, ...), ville, pays, code
postale
import re
def verification informations(nom, prenom, date de naissance,
adresse):
    # Expression régulière pour le nom (doit être en majuscules)
    regex nom = "^[A-Z]+$"
    # Expression régulière pour le prénom (doit commencer par une
majuscule)
    regex prenom = "^[A-Z][a-z]*$"
    # Expression régulière pour la date de naissance (JJ/MM/AAAA ou JJ
Mois AAAA)
    regex date naissance =
r"^{(0[1-\overline{9}]|[12])d[3[01])/(0[1-9]|1[0-2])/([0-1])d[3]|20[0-1][0-9]|
202[0-3]))|(0[1-9]|[12]\d|3[01]) (Janvier|Février|Mars|Avril|Mai|Juin|
Juillet | Août | Septembre | Octobre | Novembre | Décembre | ([0-1]\d{3} | 20[0-1]
[0-9]|202[0-3])$"
    # Expression régulière pour l'adresse (numéro, voie (rue,
avenue, ...), ville, pays, code postal)
    regex adresse = r"^\d+, (Rue|Avenue|Impasse|rue|avenue|impasse)[\
D\s]+, [\D\s]+, [\D\s]+, \d{5}$
    # Vérification des correspondances
```

```
if re.match(regex nom, nom):
        print(f"{nom} est un nom valide.")
    else:
        print(f"{nom} n'est pas un nom valide.")
    if re.match(regex prenom, prenom):
        print(f"{prenom} est un prénom valide.")
    else:
        print(f"{prenom} n'est pas un prénom valide.")
    if re.match(regex date naissance, date de naissance):
        print(f"{date de naissance} est une date de naissance
valide.")
    else:
        print(f"{date de naissance} n'est pas une date de naissance
valide.")
    if re.match(regex adresse, adresse):
        print(f"{adresse} est une adresse valide.")
    else:
        print(f"{adresse} n'est pas une adresse valide.")
# Exemples de chaînes à vérifier
noms = ["SMITH", "johnson", "JOHNSON", "MacDonald"]
prenoms = ["John", "mary", "Elizabeth", "Robert"]
dates de naissance = ["25/12/1990", "01 Janvier 1985", "12/45/2021",
"12 Mars 2025"]
adresses = ["123, Avenue Foch, Paris, France, 75012", "quarante cinq,
Impasse du Générale De Gaule, Nanterre, France, 92200", "12, Rue
Anatole France, Nanterre, 7RANC3, 12345", "45, Voldemort, Bordeaux,
France, 54321"1
for i in range(len(noms)):
    verification informations(noms[i], prenoms[i],
dates de naissance[i], adresses[i])
    print("\n",
" _ _ _ _ _ _ _ _ _
                       ------
----")
SMITH est un nom valide.
John est un prénom valide.
25/12/1990 est une date de naissance valide.
123, Avenue Foch, Paris, France, 75012 est une adresse valide.
johnson n'est pas un nom valide.
mary n'est pas un prénom valide.
01 Janvier 1985 est une date de naissance valide.
```

| quarante_cinq, Impasse du Générale De Gaule, Nanterre, France, 92200 n'est pas une adresse valide. |
|--|
| |
| |
| JOHNSON est un nom valide. |
| Elizabeth est un prénom valide. |
| 12/45/2021 n'est pas une date de naissance valide. |
| 12, Rue Anatole France, Nanterre, 7RANC3, 12345 n'est pas une adresse valide. |
| |
| |
| |
| MacDonald n'est pas un nom valide. |
| Robert est un prénom valide. |
| 12 Mars 2025 n'est pas une date de naissance valide. |
| 45, Voldemort, Bordeaux, France, 54321 n'est pas une adresse valide. |
| |
| |
| |

Partie 4: Robots.txt, Connaître les technos d'un site web et les examinations (plan, taille)



Liberté Égalité Fraternité

```
# Choisissez un site web qui soit celui d'un ministère français,
print("https://www.defense.gouv.fr/robots.txt")
    # Le ministère des Armées

# Analysez son Robots.txt : écrivez ce que vous comprenez
    # Il permet de dire ce que les bots ou les programmes de scraping
on le droit de récupérer sur ce site:
    # On a le droit de récupérer toutes les photos du site.
```

```
# On a le droit de récupérer les fichier.xml du site.
    # On n'a pas le droit de récupérer tous les autres fichier et tous
les autres dossiers.
    # De plus le fichier est formater pour que les robots puissent le
lire par eux même.
# Trouvez les technologies utilisées avec builtwith
print("Infos sur les technologies utilisées: https://builtwith.com/?
httpshttps%3a%2f%2fwww.defense.gouv.fr")
    # Google Analytics (Analytics and Tracking)
    # Apple Whitelist (Widgets)
    # Algolia (Widgets)
    # ...
# Trouvez le owner et/ou l'host avec whois
    # Le whois de ce ministère est confidentiel (logique pour le
ministère des armées)
https://www.defense.gouv.fr/robots.txt
Infos sur les technologies utilisées: https://builtwith.com/?
httpshttps%3a%2f%2fwww.defense.gouv.fr
```

Partie 5 : Résolvez les 6 questions restantes sur l'équipe de france





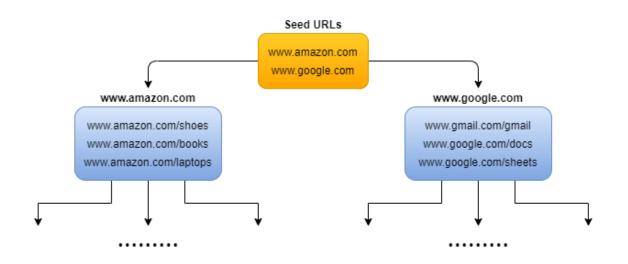
```
# nous permet de communiquer , d'échanger ou de requêter sur le web,
# ici on s'y intéresse pour récupérer le connu d'une ou de plusieurs
page web
# grace à un <.get() >
import requests
from lxml import html
page =
requests.get("https://fr.wikipedia.org/wiki/%C3%89quipe_de_France_de_f
ootball")
tree = html.fromstring(page.content)
print(tree)
<Element html at 0x20ab12ab840>
# 5) Combien de fois l'équipe de France a-t-elle remporté la Coupe du
Monde de la FIFA ?
nbr champion du monde =
tree.xpath('//*[@id="mw-content-text"]/div[1]/div[3]/table[4]/tbody/
```

Χ

```
tr[1]/td/a/text()')
print(f"La Frnace a remporter {len(nbr champion du monde)} fois la
Coupe du Monde de la FIFA.")
print(nbr champion du monde)
La Frnace a remporter 2 fois la Coupe du Monde de la FIFA.
['1998', '2018']
# 6) En quelle année l'équipe de France a-t-elle remporté son premier
Championnat d'Europe UEFA ?
premiere vitoire championnat EU = tree.xpath('//*[@id="mw-content-"])
text"]/div[1]/div[3]/table[4]/tbody/tr[2]/td/a[1]/text()')
print(f"C'est en {premiere vitoire championnat EU[0]} que l'équipe de
France remporte son premier Championnat d'Europe UEFA.")
print(premiere vitoire championnat EU)
C'est en 1984 que l'équipe de France remporte son premier Championnat
d'Europe UEFA.
['1984']
# 7) Lister les cinq derniers adversaires de l'équipe de France selon
la section "Derniers matchs et prochains matchs"
# premiere vitoire championnat EU = tree.xpath('//*[@id="mw-content-
text"]/div[1]/div[3]/table[4]/tbody/tr[2]/td/a[1]/text()')
# print(premiere vitoire championnat EU)
print("Il n'y a pas cette section sur la page Wikipédia de l'équipe de
Frnace.")
Il n'y a pas cette section sur la page Wikipédia de l'équipe de
Frnace.
# 8) Quel est le surnom donné à l'équipe de France de football ?
Surnom =
tree.xpath('//*[@id="mw-content-text"]/div[1]/div[3]/table[1]/tbody/
tr[5]/td/i/text()')
print(f"L'équipe de France à deux surnom: Les {Surnom[0]} et Les
{Surnom[1]}.")
print(Surnom)
L'équipe de France à deux surnom: Les Bleus et Les Tricolores.
['Bleus', 'Tricolores']
# 9) Combien de joueurs l'équipe de France compte-t-elle dans son
"Hall of Fame" ?
nbr joueurs connu =
tree.xpath('count(//*[@id="mw-content-text"]/div[1]/div[3]/table[2]/
tbody/tr)')
print(f"Le nombre de personnalité de l'équipe de France est de
{int(nbr_joueurs_connu)}.")
print(nbr joueurs connu)
```

```
Le nombre de personnalité de l'équipe de France est de 4.
4.0
# 10) Quelle est la plus large victoire obtenue par l'équipe de France
nom_pays_plus_large_victoire = tree.xpath('//*[@id="mw-content-
text"]/div[1]/div[3]/table[3]/tbody/tr[2]/td/span/a/text()')
score plus large victoire =
tree.xpath('//*[@id="mw-content-text"]/div[1]/div[3]/table[3]/tbody/
tr[2]/td/a/text()')
date pays plus large victoire = tree.xpath('//*[@id="mw-content-
text"]/div[1]/div[3]/table[3]/tbody/tr[2]/td/small/time/a/text()')
print(f"La plus large victoire de l'équipe de France était contre
{nom pays plus large victoire[0]} le
{date pays plus large victoire[0]} {date pays plus large victoire[1]}
avec un score de {score plus large victoire[0]}.")
print(nom pays plus large victoire)
print(score plus large victoire)
print(date pays plus large victoire)
La plus large victoire de l'équipe de France était contre Gibraltar le
18 novembre 2023 avec un score de 14-0.
['Gibraltar']
['14-0']
['18 novembre', '2023']
```

Partie 6: WEB CRAWLING



Complétez la fonction de web crawling en faisant une recherche d'hyperliens jusqu'à la 4ème génération (la fonction devra donc être récursive et s'arrêter en fonction d'un critère)

```
# mémorisez les résultats dans un dictionnaire python sous cette forme
# web indexation = { "Famille" : { "parent 1 " : { "parent 1 1" : {
"enfant 1 1 1" : [liste des petits enfants],
"enfant 1 1 2" : petit enfant
                                                                  },
#
#
#
#
#
import requests
from lxml import html
def crawl web(url, current depth=0, max depth=4, dictionnaire={}):
    if current depth == max depth-1: # Cas de base
        response = requests.get(url)
        tree = html.fromstring(response.content)
        links = tree.xpath('//a/@href')
        dictionnaire[url] = links
        return dictionnaire
    else: # Cas générale
        response = requests.get(url)
        tree = html.fromstring(response.content)
        links = tree.xpath('//a/@href')
        for link in links:
                if link.strip() and not link.startswith('#'): #
Ignorer les liens vides ou les liens d'ancrage
                    if not link.startswith('http'): # Si le lien est
relatif, le rendre absolu
                        link = url + link
                    dictionnaire[link] = crawl web(url=link,
current depth=current depth+1, max depth=max depth, dictionnaire={})
        return dictionnaire
# Exemple d'utilisation
url = "https://google.com"
# url = "https://amazon.com"
# url = "https://www.bienici.com/"
# url = "https://ceweb-agency.com/"
# url = ""
dict web crawl = crawl web(url=url, max depth=4) # Modififez le
max depth pour changer de génération.
print(dict web crawl)
# Le resultat du dessous est fait avec un max depth de 2 sinon c'est
trop long à afficher et à convertir en pdf .
```

```
{'https://www.google.com/imghp?hl=fr&tab=wi':
{'https://www.google.com/imghp?hl=fr&tab=wi':
['https://www.google.fr/webhp?tab=iw', 'https://maps.google.fr/maps?
hl=fr&tab=il', 'https://play.google.com/?hl=fr&tab=i8',
'https://www.youtube.com/?tab=i1', 'https://news.google.com/?tab=in',
'https://mail.google.com/mail/?tab=im', 'https://drive.google.com/?
tab=io', 'https://www.google.fr/intl/fr/about/products?tab=ih',
'http://www.google.fr/history/optout?hl=fr', '/preferences?hl=fr',
'https://accounts.google.com/ServiceLogin?
hl=fr&passive=true&continue=https://www.google.com/imghp%3Fhl%3Dfr
%26tab%3Dwi&ec=GAZAAg', '/advanced image search?hl=fr&authuser=0',
'/intl/fr/ads/', '/services/', '/intl/fr/about.html',
'/intl/fr/policies/privacy/', '/intl/fr/policies/terms/']},
'https://maps.google.fr/maps?hl=fr&tab=wl':
{'https://maps.google.fr/maps?hl=fr&tab=wl':
['https://accounts.google.com/ServiceLogin?
hl=fr&cd=FR&continue=https://maps.google.fr/maps?hl%3Dfr%26tab
%3Dwl&gae=cb-eomtm', 'https://accounts.google.com/ServiceLogin?
hl=fr&cd=FR&continue=https://maps.google.fr/maps?hl%3Dfr%26tab
%3Dwl&gae=cb-eomtm',
'https://policies.google.com/technologies/cookies?
hl=fr&utm source=ucb', 'https://consent.google.fr/dl?
continue=https://maps.google.fr/maps?hl%3Dfr%26tab
%3Dwl&ql=FR&hl=fr&cm=2&pc=m&uxe=eomtm&src=1',
'https://policies.google.com/privacy?hl=fr&utm source=ucb',
'https://policies.google.com/terms?hl=fr&utm source=ucb']},
'https://play.google.com/?hl=fr&tab=w8': {'https://play.google.com/?
hl=fr&tab=w8': ['/store/games', '/store/apps', '/store/movies',
'/store/books', '/store/apps/category/FAMILY', '/store/games',
'https://policies.google.com/privacy',
'https://myaccount.google.com/termsofservice', '/store/games',
'/store/apps', '/store/movies', '/store/books',
'/store/apps/category/FAMILY', '/store/games?device=windows', '/store/games?device=tablet',
'/store/games?device=tv', '/store/games?device=chromebook',
'/store/games?device=watch', '/store/apps/details?
id=com.farlightgames.igame.gp', '/store/apps/details?
id=com.farlightgames.igame.gp', '/store/apps/details?
id=com.tocaboca.tocalifeworld', '/store/apps/details?
id=com.tocaboca.tocalifeworld', '/store/apps/details?
id=com.stove.epic7.google', '/store/apps/details?
id=com.stove.epic7.google', '/store/apps/editorial?
id=mc_editorialevergreen_top_k_dating_games_fcp',
'/store/apps/editorial?id=mc_editorialmd_monopoly_go_anniversary_fcp',
'/store/apps/details?id=com.scopely.monopolygo',
'/store/apps/editorial?
id=mc editorialmd post install mobile lengends tips videos fcp',
'/store/apps/details?id=com.mobile.legends', '/store/apps/editorial?
id=mc editorialevergreen top k sports games fcp',
'/store/apps/details?id=com.nintendo.zaka', '/store/apps/details?
```

```
id=com.nintendo.zaka', '/store/apps/editorial?
id=mc editorialseasonal earth day fcp', '/store/apps/details?
id=com.com2us.smon.normal.freefull.google.kr.android.common',
'/store/apps/details?
id=com.com2us.smon.normal.freefull.google.kr.android.common',
'/store/apps/eventdetails/4831566811725189958', '/store/apps/details?
id=com.topgamesinc.evony', '/store/apps/editorial?
id=mc editorialevergreen games popular in mexico fcp',
'/store/apps/editorial?id=mc editorialevergreen top k car games fcp',
'/store/apps/eventdetails/4829590718197415218', '/store/apps/details?
id=com.activision.callofduty.shooter', '/store/apps/details?
id=com.mxdzzus.google', '/store/apps/details?id=com.mxdzzus.google',
'/store/apps/editorial?
id=mc editorialevergreen popular in america fcp',
'/store/apps/details?id=com.roblox.client', '/store/apps/details?
id=com.dts.freefireth', '/store/apps/details?
id=com.king.candycrushsaga', '/store/apps/details?
id=com.tocaboca.tocalifeworld', '/store/apps/details?
id=com.activision.callofduty.shooter', '/store/apps/details?
id=com.nianticlabs.pokemongo', '/store/apps/details?
id=com.dreamgames.royalmatch', '/store/apps/details?
id=com.kitkagames.fallbuddies', '/store/apps/details?
id=com.tencent.ig', '/store/apps/details?
id=com.superplaystudios.dicedreams', '/store/apps/details?
id=com.king.candycrushsodasaga', '/store/apps/details?
id=com.supercell.clashroyale', '/store/apps/details?
id=com.fun.lastwar.gp', '/store/apps/details?id=com.playrix.township',
'/store/apps/details?id=io.randomco.travel', '/store/apps/details?
id=com.supercell.clashofclans', '/store/apps/details?
id=com.vizorapps.klondike', '/store/apps/details?id=com.gof.global',
'/store/apps/details?id=com.igg.android.lordsmobile',
'/store/apps/details?id=com.scopely.monopolygo',
'/store/apps/eventdetails/4828915313705661490', '/store/apps/details?
id=com.bethsoft.falloutshelter',
'/store/apps/eventdetails/4828911322040249541', '/store/apps/details?
id=com.HoYoverse.hkrpgoversea',
'/store/apps/eventdetails/4828858921895022870', '/store/apps/details?
id=com.iz.coloring.games.kids.drawing.color.book.painting.learning.bab
y.toddlers', '/store/apps/eventdetails/4831588190196603575',
'/store/apps/details?id=com.miniclip.basketballstars',
'/store/apps/eventdetails/4831116271320065025', '/store/apps/details?
id=com.playrix.mysterymatters',
'/store/apps/eventdetails/4828828184170899485', '/store/apps/details?
id=com.stove.epic7.google',
'/store/apps/eventdetails/4828514798929008962', '/store/apps/details?
id=com.ea.gp.nbamobile',
'/store/apps/eventdetails/4828254090122005354', '/store/apps/details?
id=com.com2us.smon.normal.freefull.google.kr.android.common',
'/store/apps/details?id=com.supercell.clashofclans',
'/store/apps/details?id=com.supercell.clashroyale',
```

```
'/store/apps/details?id=com.dts.freefiremax', '/store/apps/details?
id=com.playrix.township', '/store/apps/details?
id=com.vizorapps.klondike', '/store/apps/details?
id=com.topgamesinc.evony', '/store/apps/details?
id=com.bandainamcoent.dblegends ww', '/store/apps/details?
id=com.igg.android.lordsmobile', '/store/apps/details?
id=com.rovio.baba', '/store/apps/details?
id=com.fgol.HungrySharkEvolution', '/store/apps/details?
id=com.os.airforce', '/store/apps/details?
id=com.playrix.gardenscapes', '/store/apps/details?
id=com.tap4fun.ape.gplay', '/store/apps/details?
id=com.mobile.legends', '/store/apps/details?
id=com.playrix.homescapes', '/store/apps/details?
id=com.gameloft.android.ANMP.GloftA9HM', '/store/apps/details?
id=com.kingsgroup.sos', '/store/apps/details?id=com.devsisters.ck',
'/store/apps/details?id=com.lockwoodpublishing.avakinlife',
'/store/apps/details?id=com.dogbytegames.offtheroad',
'/store/apps/details?id=com.netease.newspike', '/store/apps/details?
id=com.greenmushroom.boomblitz.gp', '/store/apps/details?
id=com.crunchyroll.opm', '/store/apps/details?
id=com.nebulajoy.act.dmcpoc', '/store/apps/details?
id=com.ohbibi.games.bubble.ship.merge.magnet', '/store/apps/details?
id=com.ffsvideogames.eor3f2p', '/store/apps/details?
id=com.RightSoftLabs.MvAB', '/store/apps/details?
id=com.gameloft.anmp.disney.speedstorm', '/store/apps/details?
id=com.origin.rod', '/store/apps/details?id=com.allstarunion.wow.gp',
'/store/apps/details?id=com.seaofconquest.global',
'/store/apps/details?id=com.darkwind.nucarnival',
'/store/apps/details?id=com.nirvanagames.nexuswar'
'/store/apps/details?id=com.tiltingpoint.fashionapp',
'/store/apps/details?
id=com.ubisoft.invincible.guardians.globe.idle.superhero.rpg.battle.af
k', '/store/apps/details?id=and.onemt.pos', '/store/apps/details?
id=com.goatgames.snd.gb.gp', '/store/apps/details?
id=com.square enix.android googleplay.ff7ecww', '/store/apps/details?
id=leyi.marsactionplus', '/store/apps/details?id=com.mfmyz.sygs',
'/store/apps/details?id=com.studion.mergearena', '/store/apps/details?
id=com.yoozoo.jgame.us', '/store/apps/details?
id=com.com2us.frostpunk.android.google.global.normal',
'/store/apps/details?
id=com.com2usholdings.soulstrike.android.google.global.normal',
'/store/apps/details?id=com.xinshengfun.alsp.en',
'/store/apps/details?id=com.wan.wartuneh5', '/store/apps/details?
id=com.skrice.mavia', '/store/apps/details?
id=com.esg.idle.guild.tycoon', '/store/apps/details?
id=beatmaker.edm.musicgames.pianofire2', '/store/apps/details?
id=com.notdoppler.earntodierogue', '/store/apps/details?
id=hidden.objects.find.it.out.seek.puzzle.games.free',
'/store/apps/details?id=com.cyberjoy.geometrytower',
'/store/apps/details?id=com.crazysort.supermarket.goodstriple',
```

```
'/store/apps/details?id=com.ondi.fortias.saga', '/store/apps/details?
id=com.loongcheer.indra.raziel.oversea', '/store/apps/details?
id=block.wood.jigsaw.game.wooden', '/store/apps/details?
id=classic.solitaire.klondike.free.card', '/store/apps/details?
id=com.HappyTurtle.MrFlip', '/store/apps/details?
id=com.loongcheer.edenight.idlerpg', '/store/apps/details?
id=com.bubbleshooter.pop.dream.classic.panda.puzzle',
'/store/apps/details?id=com.dreamplay.survivalrandomdefense.google',
'/store/apps/details?
id=tile.games.master.match.triple.puzzle.game.free',
'/store/apps/details?id=com.idle.game.burger.tycoon'
'/store/apps/details?id=beatmaker.edm.musicgames.fluffyhop',
'/store/apps/details?id=com.aidiangames.Hedgies.gp',
'/store/apps/details?id=com.astrologicmedia.hiddencats',
'/store/apps/details?id=com.celsiusonline.mutantsgenesis',
'/store/apps/details?id=com.dreamplay.ghostknight.google',
'/store/pass/getstarted', '/store/points/enroll',
'https://play.google.com/about/giftcards', '/redeem',
'https://support.google.com/googleplay/answer/134336'
'https://support.google.com/googleplay?p=pff parentguide',
'https://support.google.com/googleplay/answer/7007852',
'https://play.google.com/intl/fr us/about/play-terms.html',
'https://policies.google.com/privacy',
'https://support.google.com/googleplay/?p=about play',
'http://developer.android.com/index.html', 'https://store.google.com/?
playredirect=true']}, 'https://www.youtube.com/?tab=w1':
{'https://www.youtube.com/?tab=w1': ['/', '/',
'https://www.youtube.com/about/',
'https://www.youtube.com/about/press/'
'https://www.youtube.com/about/copyright/', '/t/contact_us/',
'https://www.youtube.com/creators/', 'https://www.youtube.com/ads/',
'https://developers.google.com/youtube',
'https://support.google.com/youtube/contact/de cancellation?hl=fr',
'/t/terms', '/t/privacy', 'https://www.youtube.com/about/policies/',
'https://www.youtube.com/howyoutubeworks?
utm campaign=ytgen&utm source=ythp&utm medium=LeftNav&utm content=txt&
u=https%3A%2F%2Fwww.youtube.com%2Fhowyoutubeworks%3Futm source%3Dythp
%26utm medium%3DLeftNav%26utm campaign%3Dytgen', '/new']},
'https://news.google.com/?tab=wn': {'https://news.google.com/?tab=wn':
['https://support.google.com/googlenews?p=consumer info', './?hl=en-
US&gl=US&ceid=US%3Aen', 'https://www.google.fr/intl/en/about/products?
tab=nh', 'https://accounts.google.com/ServiceLogin?
passive=1209600&continue=https://news.google.com/home?tab%3Dwn%26hl
%3Den-US%26gl%3DUS%26ceid%3DUS:en&followup=https://news.google.com/
home?tab%3Dwn%26hl%3Den-US%26gl%3DUS%26ceid%3DUS:en&hl=en-
US&ec=GAZAqgM', './home?hl=en-US&gl=US&ceid=US%3Aen', './showcase?
hl=en-US&gl=US&ceid=US%3Aen',
'./topics/CAAqIqqKIhxDQkFTRHdvSkwyMHZNRGxqTjNjd0VnSmxiaWdBUAE?hl=en-
US&gl=US&ceid=US%3Aen',
'./topics/CAAqJqqKIiBDQkFTRWdvSUwyMHZNRGx1YlY4U0FtVnVHZ0pWVXlnQVAB?
```

```
hl=en-US&gl=US&ceid=US%3Aen',
'./topics/CAAqHAgKIhZDQklTQ2pvSWJHOWpZV3hmZGpJb0FBUAE?hl=en-
US&gl=US&ceid=US%3Aen',
'./topics/CAAqJqqKIiBDQkFTRWdvSUwyMHZNRGx6TVdZU0FtVnVHZ0pWVXlnQVAB?
hl=en-US&gl=US&ceid=US%3Aen',
'./topics/CAAqJggKIiBDQkFTRWdvSUwyMHZNRGRqTVhZU0FtVnVHZ0pWVXlnQVAB?
hl=en-US&gl=US&ceid=US%3Aen',
'./topics/CAAqJqqKIiBDQkFTRWdvSUwyMHZNREpxYW5RU0FtVnVHZ0pWVXlnQVAB?
hl=en-US&gl=US&ceid=US%3Aen',
./topics/CAAqJqqKIiBD0kFTRWdvSUwyMHZNRFp1ZEdvU0FtVnVHZ0pWVXln0VAB?
hl=en-US&gl=US&ceid=US%3Aen',
'./topics/CAAqJqqKIiBDQkFTRWdvSUwyMHZNRFp0Y1RjU0FtVnVHZ0pWVXlnQVAB?
hl=en-US&gl=US&ceid=US%3Aen',
'./topics/CAAqIQqKIhtDQkFTRGdvSUwvMHZNR3QwTlRFU0FtVnVLQUFQAQ?hl=en-
US&gl=US&ceid=US%3Aen', './?hl=en-US&gl=US&ceid=US%3Aen',
'https://support.google.com/googlenews?p=consumer info&hl=en',
'https://www.weather.com/wx/today/?
lat=48.91&lon=2.25&locale=en US&par=google',
'./topics/CAAqJggKIiBDQkFTRWdvSUwyMHZNRFZxYUdjU0FtVnVHZ0pWVXlnQVAB?
hl=en-US&gl=US&ceid=US%3Aen',
'./articles/CBMiWWh0dHBz0i8vd3d3LmNic25ld3MuY29tL25ld3MvdHJ1bXAtaHVzaC
1tb25leS10cmlhbC1vcGVuaW5nLXN0YXRlbWVudHMtd2l0bmVzcy10ZXN0aW1vbnkv0gFd
aHR0cHM6Ly93d3cuY2JzbmV3cy5jb20vYW1wL25ld3MvdHJ1bXAtaHVzaC1tb25leS10cm
lhbC1vcGVuaW5nLXN0YXRlbWVudHMtd2l0bmVzcy10ZXN0aW1vbnkv?hl=en-
US&al=US&ceid=US%3Aen',
'./articles/CBMiWWh0dHBz0i8vd3d3LmNic25ld3MuY29tL25ld3MvdHJ1bXAtaHVzaC
1tb25leS10cmlhbC1vcGVuaW5nLXN0YXRlbWVudHMtd2l0bmVzcy10ZXN0aW1vbnkv0gFd
aHROcHM6Ly93d3cuY2JzbmV3cy5jb20vYW1wL25ld3MvdHJ1bXAtaHVzaC1tb25leS10cm
lhbC1vcGVuaW5nLXN0YXRlbWVudHMtd2l0bmVzcy10ZXN0aW1vbnkv?hl=en-
US&gl=US&ceid=US%3Aen',
'./articles/CBMiUWh0dHBz0i8vd3d3LmNubi5jb20vcG9saXRpY3MvbGl2ZS1uZXdzL3
RydW1wLWh1c2qtbW9uZXktdHJpYWwtMD0tMjItMj0vaW5kZXquaHRtbNIBAA?hl=en-
US&gl=US&ceid=US%3Aen',
'./articles/CBMiUWh0dHBz0i8vd3d3LmNubi5jb20vcG9saXRpY3MvbGl2ZS1uZXdzL3
RydW1wLWh1c2qtbW9uZXktdHJpYWwtMDQtMjItMjQvaW5kZXquaHRtbNIBAA?hl=en-
US&gl=US&ceid=US%3Aen',
'./articles/CBMia2h0dHBz0i8vd3d3LmZveG5ld3MuY29tL3BvbGl0aWNzL3RydW1wLW
JsYXN0cy1ueS1jcmltaW5hbC1jYXNlLWJpZGVuLXRyaWFsLW1lYW50LWh1cnQtaGltLW5v
dmVtYmVyLWVsZWN0aW9u0gFvaHR0cHM6Ly93d3cuZm94bmV3cy5jb20vcG9saXRpY3MvdH
J1bXAtYmxhc3RzLW55LWNyaW1pbmFsLWNhc2UtYmlkZW4tdHJpYWwtbWVhbn0taHVydC1o
aW0tbm92ZW1iZXItZWxlY3Rpb24uYW1w?hl=en-US&gl=US&ceid=US%3Aen',
'./articles/CBMia2h0dHBz0i8vd3d3LmZveG5ld3MuY29tL3BvbGl0aWNzL3RydW1wLW
JsYXN0cy1ueS1jcmltaW5hbC1jYXNlLWJpZGVuLXRyaWFsLW1lYW50LWh1cnQtaGltLW5v
dmVtYmVyLWVsZWN0aW9u0gFvaHR0cHM6Ly93d3cuZm94bmV3cy5jb20vcG9saXRpY3MvdH
J1bXAtYmxhc3RzLW55LWNyaW1pbmFsLWNhc2UtYmlkZW4tdHJpYWwtbWVhbnQtaHVydC1o
aW0tbm92ZW1iZXItZWxlY3Rpb24uYW1w?hl=en-US&gl=US&ceid=US%3Aen',
'./articles/CBMiaWh0dHBz0i8vYXBuZXdzLmNvbS9hcnRpY2xlL2dlb3JnaWEtZWxlY3
Rpb24taW5kaWN0bWVudC1mYW5pLXdpbGxpcy10cnVtcC02MGI3ZGQ5NjQyZmM5ZWY3YzAz
ZDc10TgwNjkyMzM0Y9IBAA?hl=en-US&gl=US&ceid=US%3Aen',
'./articles/CBMiaWh0dHBz0i8vYXBuZXdzLmNvbS9hcnRpY2xlL2dlb3JnaWEtZWxlY3
```

- Rpb24taW5kaWN0bWVudC1mYW5pLXdpbGxpcy10cnVtcC02MGI3ZGQ5NjQyZmM5ZWY3YzAzZDc10TgwNjkyMzM0Y9IBAA?hl=en-US&gl=US&ceid=US%3Aen',
- './stories/CAAqNggKIjBDQklTSGpvSmMzUnZjbmt0TXpZd1NoRUtEd2l0M05TdEN4RWRPMF91bjJtMmtTZ0FQAQ?hl=en-US&gl=US&ceid=US%3Aen',
- './articles/CBMiT2h0dHBz0i8vd3d3Lm55dGltZXMuY29tLzIwMjQvMDQvMjEvbnlyZWdpb24vY29sdW1iaWEtcHJvdGVzdHMtYW50aXNlbWl0aXNtLmh0bWzSAQA?hl=en-US&gl=US&ceid=US%3Aen',
- './articles/CBMiT2h0dHBz0i8vd3d3Lm55dGltZXMuY29tLzIwMjQvMDQvMjEvbnlyZWdpb24vY29sdW1iaWEtcHJvdGVzdHMtYW50aXNlbWl0aXNtLmh0bWzSAQA?hl=en-US&ql=US&ceid=US%3Aen',
- './articles/CBMiXWh0dHBz0i8vd3d3LmNubi5jb20vMjAyNC8wNC8yMi9idXNpbmVzcy9jb2x1bWJpYS10ZW5zaW9ucy1wYXNzb3Zlci12aXJ0dWFsLWNsYXNzZXMvaW5kZXguaHRtbNIBVmh0dHBz0i8vYW1wLmNubi5jb20vY25uLzIwMjQvMDQvMjIvYnVzaW5lc3MvY29sdW1iaWEtdGVuc2lvbnMtcGFzc292ZXItdmlydHVhbC1jbGFzc2Vz?hl=en-US&ql=US%3Aen',
- './articles/CBMiXWh0dHBz0i8vd3d3LmNubi5jb20vMjAyNC8wNC8yMi9idXNpbmVzcy9jb2x1bWJpYS10ZW5zaW9ucy1wYXNzb3Zlci12aXJ0dWFsLWNsYXNzZXMvaW5kZXguaHRtbNIBVmh0dHBz0i8vYW1wLmNubi5jb20vY25uLzIwMjQvMDQvMjIvYnVzaW5lc3MvY29sdW1iaWEtdGVuc2lvbnMtcGFzc292ZXItdmlydHVhbC1jbGFzc2Vz?hl=en-US&al=US&ceid=US%3Aen',
- './articles/CBMia2h0dHBz0i8vd3d3LmZveG5ld3MuY29tL2xpdmUtbmV3cy9hbnRpc2VtaXRpc20tY2FtcHVzLXN1cmdlcy1hZ2l0YXRvcnMtdGFrZS1vdmVyLWNvbHVtYmlhLXlhbGUtdW5pdmVyc2l0aWVz0gFvaHR0cHM6Ly93d3cuZm94bmV3cy5jb20vbGl2ZS1uZXdzL2FudGlzZW1pdGlzbS1jYW1wdXMtc3VyZ2VzLWFnaXRhdG9ycy10YWtlLW92ZXItY29sdW1iaWEteWFsZS11bml2ZXJzaXRpZXMuYW1w?hl=en-US&gl=US&ceid=US%3Aen',
- './articles/CBMia2h0dHBz0i8vd3d3LmZveG5ld3MuY29tL2xpdmUtbmV3cy9hbnRpc2VtaXRpc20tY2FtcHVzLXN1cmdlcy1hZ2l0YXRvcnMtdGFrZS1vdmVyLWNvbHVtYmlhLXlhbGUtdW5pdmVyc2l0aWVz0gFvaHR0cHM6Ly93d3cuZm94bmV3cy5jb20vbGl2ZS1uZXdzL2FudGlzZW1pdGlzbS1jYW1wdXMtc3VyZ2VzLWFnaXRhdG9ycy10YWtlLW92ZXItY29sdW1iaWEteWFsZS11bml2ZXJzaXRpZXMuYW1w?hl=en-US&gl=US&ceid=US%3Aen',
- './articles/CBMiT2h0dHBz0i8vd3d3Lm55dGltZXMuY29tLzIwMjQvMDQvMjIvdXMvY2 9sdW1iaWEtdW5pdmVyc2l0eS1wcm90ZXN0cy1jbGFzc2VzLmh0bWzSAQA?hl=en-US&gl=US&ceid=US%3Aen',
- './articles/CBMiT2h0dHBz0i8vd3d3Lm55dGltZXMuY29tLzIwMjQvMDQvMjIvdXMvY29sdW1iaWEtdW5pdmVyc2l0eS1wcm90ZXN0cy1jbGFzc2VzLmh0bWzSAQA?hl=en-US&gl=US&ceid=US%3Aen',
- './stories/CAAqNggKIjBDQklTSGpvSmMzUnZjbmt0TXpZd1NoRUtEd2l0LU9pX0N4RU1XNDB3eVRXOXlDZ0FQAQ?hl=en-US&gl=US&ceid=US%3Aen',
- './articles/CBMihwFodHRwczovL3d3dy50aGVndWFyZGlhbi5jb20vd29ybGQvbGl2ZS8yMDI0L2Fwci8yMi9taWRkbGUtZWFzdC1jcmlzaXMtbGl2ZS1pcmFxLW1pbGl0YW50LWdyb3VwLXNheXMtaXQtd2lsbC1yZXN1bWUtYXR0YWNrcy1vbi11cy1mb3JjZXPSAQA?hl=en-US&gl=US&ceid=US%3Aen',
- './articles/CBMihwFodHRwczovL3d3dy50aGVndWFyZGlhbi5jb20vd29ybGQvbGl2ZS8yMDI0L2Fwci8yMi9taWRkbGUtZWFzdC1jcmlzaXMtbGl2ZS1pcmFxLW1pbGl0YW50LWdyb3VwLXNheXMtaXQtd2lsbC1yZXN1bWUtYXR0YWNrcy1vbi11cy1mb3JjZXPSAQA?hl=en-US&gl=US&ceid=US%3Aen',
- './stories/CAAqNggKIjBDQklTSGpvSmMzUnZjbmt0TXpZd1NoRUtEd2lvcVpmQ0N4RlBacm1WNElPRWFTZ0FQAQ?hl=en-US&gl=US&ceid=US%3Aen',
- './articles/CBMiLWh0dHBz0i8vd3d3LmJiYy5jb20vbmV3cy91ay1wb2xpdGljcy020Dg3MzA1M9IBMWh0dHBz0i8vd3d3LmJiYy5jb20vbmV3cy91ay1wb2xpdGljcy020Dg3MzA1

```
My5hbXA?hl=en-US&ql=US&ceid=US%3Aen'
./articles/CBMiLWh0dHBz0i8vd3d3LmJiYy5jb20vbmV3cy91ay1wb2xpdGljcy020D
q3MzA1M9IBMWh0dHBz0i8vd3d3LmJiYy5jb20vbmV3cy91ay1wb2xpdGljcy020Dq3MzA1
Mv5hbXA?hl=en-US&gl=US&ceid=US%3Aen',
'./stories/CAAqNqqKIjBDQklTSGpvSmMzUnZjbmt0TXpZd1NoRUtEd2o3Z19lNUN4SGV
lZFBqVnpnTHZ5Z0FQAQ?hl=en-US&ql=US&ceid=US%3Aen',
'./topics/CAAqHAqKIhZDQklTQ2pvSWJHOWpZV3hmZGpJb0FBUAE?hl=en-
US&ql=US&ceid=US%3Aen']}, 'https://mail.google.com/mail/?tab=wm':
{'https://mail.google.com/mail/?tab=wm': ['/signin/usernamerecovery?
continue=https://mail.google.com/mail/u/0/?tab%3Dwm&dsh=S-
486470133:1713796551676011&emr=1&flowEntry=ServiceLogin&flowName=WebLi
teSignIn&followup=https://mail.google.com/mail/u/0/?tab
%3Dwm&ifkv=ARZ0gKKncPRf4GXoOw5SrzfkeicSRSrj8O3JbOdOcMO2W5kfeYRO7akhtRJ
MhllHjkrVawEU8me5GA&osid=1&service=mail',
'https://support.google.com/accounts?p=signin privatebrowsing&hl=en-
US'
'/lifecycle/flows/signup?continue=https://mail.google.com/mail/u/0/?
tab%3Dwm&dsh=S-
486470133:1713796551676011&emr=1&flowEntry=SignUp&flowName=GlifWebSign
In&followup=https://mail.google.com/mail/u/0/?tab
%3Dwm&ifkv=ARZ0gKKncPRf4GXoOw5SrzfkeicSRSrj8Q3JbQdOcMO2W5kfeYRQ7akhtRJ
MhllHjkrVawEU8me5GA&osid=1&service=mail',
'https://support.google.com/accounts?hl=en-US&p=account iph',
'https://accounts.google.com/TOS?loc=FR&hl=en-US&privacy=true',
'https://accounts.google.com/TOS?loc=FR&hl=en-US']},
'https://drive.google.com/?tab=wo': {'https://drive.google.com/?
tab=wo':
['/signin/usernamerecovery?continue=https://drive.google.com/?tab
%3Dwo&dsh=S-
989385485:1713796552106334&emr=1&flowEntry=ServiceLogin&flowName=WebLi
teSignIn&followup=https://drive.google.com/?tab
%3Dwo&ifkv=ARZ0gKL6t0Nr05U0kjKk0skxLMbT09dUENNyygAkD1FvYkfj1mYsdm-7-
INigHT1NLY1URQAZLt6&osid=1&service=wise',
'https://support.google.com/accounts?p=signin privatebrowsing&hl=en-
US', '/lifecycle/flows/signup?continue=https://drive.google.com/?tab
%3Dwo&dsh=S-
989385485:1713796552106334&emr=1&flowEntry=SignUp&flowName=GlifWebSign
In&followup=https://drive.google.com/?tab
%3Dwo&ifkv=ARZ0qKL6t0NrO5U0kjKk0skxLMbT09dUENNyyqAkD1FvYkfj1mYsdm-7-
INigHT1NLY1URQAZLt6&osid=1&service=wise',
'https://support.google.com/accounts?hl=en-US&p=account iph',
'https://accounts.google.com/TOS?loc=FR&hl=en-US&privacy=true',
'https://accounts.google.com/TOS?loc=FR&hl=en-US']},
'https://www.google.fr/intl/fr/about/products?tab=wh':
{'https://www.google.fr/intl/fr/about/products?tab=wh': ['#page-
content', '../', '../impact/', '../products/',
'../commitments/', '../stories/', '../',
'https://support.google.com/', '#all-products', '#all-products',
'https://workspace.google.com/blog/product-announcements/generative-
ai', 'https://safety.google/?
```

```
utm medium=contextualpromo&utm source=google&utm campaign=swg2021&utm
content=utm%20for%20about.google%20productspage',
'https://safety.google/products/?
utm medium=contextualpromo&utm source=google&utm campaign=swg2021&utm
content=utm%20for%20about.google%20productspage/#search',
'https://safety.google/products?
utm medium=contextualpromo&utm source=google&utm campaign=swg2021&utm
content=utm%20for%20about.google%20productspage/#gmail',
'https://safety.google/products/?
utm medium=contextualpromo&utm source=google&utm campaign=swg2021&utm
content=utm%20for%20about.google%20productspage#chrome',
'https://safety.google/products/?
utm medium=contextualpromo&utm source=google&utm campaign=swg2021&utm
content=utm%20for%20about.google%20productspage/#search',
'https://safety.google/products?
utm_medium=contextualpromo&utm source=google&utm campaign=swg2021&utm
content=utm%20for%20about.google%20productspage/#gmail',
'https://safety.google/products/?
utm medium=contextualpromo&utm source=google&utm campaign=swg2021&utm
content=utm%20for%20about.google%20productspage#chrome',
'https://safety.google/products/?
utm medium=contextualpromo&utm source=google&utm campaign=swg2021&utm
content=utm%20for%20about.google%20productspage',
'https://www.android.com/google-features-on-android/september-2023/?
utm source=aboutgoogle&utm medium=owned&utm campaign=y23q3spotlight',
'https://www.android.com/intl/fr fr/phones/',
'https://www.android.com/intl/fr_fr/tablets/',
'https://wearos.google.com/intl/fr fr/',
'https://www.android.com/intl/fr fr/auto/', 'https://edu.google.com/',
'https://edu.google.com/why-google/k-12-solutions/',
'https://edu.google.com/products/workspace-for-education/',
'https://edu.google.com/products/classroom/',
'https://edu.google.com/products/chromebooks/',
'https://edu.google.com/products/meet/',
'https://edu.google.com/products/workspace-for-education/',
'https://edu.google.com/products/classroom/',
'https://edu.google.com/products/chromebooks/',
'https://edu.google.com/products/meet/', 'https://news.google.com/',
'https://www.google.com/calendar/about/',
'https://www.android.com/intl/en us/',
'https://www.android.com/intl/en us/auto/',
'https://www.android.com/tv/', 'https://assistant.google.com/',
'https://www.google.com/chrome/', 'https://chromeenterprise.google/',
'https://www.google.com/chromebook/',
'https://store.google.com/product/chromecast',
'https://play.google.com/store/apps/details?
id=com.google.android.contacts', 'https://www.google.com/docs/about/?
utm source=gaboutpage&utm medium=docslink&utm campaign=gabout',
'https://chrome.google.com/webstore/detail/google-drawings/mkaakpdehda
facodkgkpghoibnmamcme?hl=en-US', 'https://www.google.com/drive/',
```

```
'https://www.google.com/earth/',
'https://www.google.co.in/edu/expeditions/',
'https://files.google.com/', 'https://www.google.com/flights',
'https://www.google.com/forms/about/?
utm source=gaboutpage&utm medium=formslink&utm campaign=gabout',
'https://play.google.com/store/apps/details?
id=com.google.android.inputmethod.latin',
'https://gemini.google.com/',
'https://www.gmail.com/intl/en us/mail/help/about.html',
'https://www.google.com/alerts, 'https://artsandculture.google.com/?
utm medium=referral&utm source=about.google',
'https://www.google.com/cast/',
'https://gsuite.google.com/products/chat/',
'https://edu.google.com/workspace-for-education/classroom/',
'https://www.google.com/cloudprint/learn/index.html'
'https://www.google.com/express/', 'https://www.google.com/finance',
'https://play.google.com/store/apps/details?
id=com.google.android.apps.fitness&hl=en',
'https://www.google.com/fonts', 'https://www.google.com/maps/about/',
'https://gsuite.google.com/products/meet/',
'https://one.google.com/about?
utm source=google about&utm medium=web&utm campaign=products',
'https://www.google.com/inputtools/', 'https://pay.google.com/about/',
'https://play.google.com/store?hl=en',
'https://play.google.com/store/apps/details?
id=com.google.android.apps.books&e=-EnableAppDetailsPageRedesign',
'https://support.google.com/googleplay/answer/4512465',
'https://play.google.com/store/apps/details?
id=com.google.android.play.games&hl=en',
'https://scholar.google.com/intl/en-US/scholar/about.html',
'https://shopping.google.com/u/0/',
'https://store.google.com/regionpicker/', 'https://tv.google/',
'https://wallet.google/', 'https://groups.google.com',
'https://www.google.com/keep/', 'https://lens.google.com/#',
'https://messages.google.com/',
'https://store.google.com/category/connected home',
'https://store.google.com/product/nest wifi',
'https://www.google.com/photos/about',
'https://store.google.com/category/phones',
'https://www.android.com/intl/fr fr/play-protect/',
'https://podcasts.google.com/',
'https://www.google.com/search/about/',
'https://www.google.com/sheets/about/?
utm_source=gaboutpage&utm medium=sheetslink&utm campaign=gabout'
'https://sites.google.com/new', 'https://www.google.com/slides/about/?
utm source=gaboutpage&utm medium=slideslink&utm campaign=gabout',
'https://translate.google.com/about',
'https://www.google.com/travel/', 'https://voice.google.com/',
'https://built-in.google/cars/', 'https://www.waze.com/',
'https://wearos.google.com/', 'https://www.youtube.com/yt/about/',
```

```
'https://youtube-global.blogspot.com/2015/02/youtube-kids.html'
'https://www.youtube.com/musicpremium', 'https://tv.youtube.com/?
utm source=gaboutpage&utm medium=youtubetv&utm campaign=gabout',
'https://www.google.com/retail/local-inventory-ads/',
'https://www.google.com/admob/?
utm source=internal&utm medium=et&utm term=goo.gl
%2FPZaclC&utm content=midpage&utm campaign=googlehome%26producticon',
'https://www.google.com/adsense/start/?
utm source=internal&utm medium=et&utm campaign=app switcher ev mr&utm
content=learn more', 'https://www.google.com/analytics/?
utm medium=referral-internal&utm source=google-
products&utm campaign=product-cross-promo&utm content=analytics-icon',
'https://enterprise.google.com/android/',
'https://assistant.google.com/business/'
'https://www.blogger.com/features', 'https://businessmessages.google',
'https://www.google.com/retail/shopping-campaigns/',
'https://chromeenterprise.google',
'https://enterprise.google.com/search/',
'https://www.google.com/business/?gmbsrc=ww-ww-et-gs-z-gmb-s-z-h~pro-
z-u&ppsrc=GMBB0&utm_campaign=ww-ww-et-gs-z-gmb-s-z-h~pro-z-
u&utm source=gmb&utm medium=et', 'https://admanager.google.com/home/',
'https://ads.google.com/home/?subid=ww-ww-et-g-aw-a-about products 1-
redlmo2!', 'https://cloud.google.com/',
'https://learndigital.withgoogle.com/digitalactive?
utm source=Engagement&utm medium=ep&utm term=ep&utm content=FR EP PP&u
tm campaign=02 2017 EP ProductPage',
'https://enterprise.google.com/maps/products/mapsapi.html',
'https://marketingplatform.google.com/',
'https://www.google.com/trends/',
'https://www.google.com/webdesigner/',
'https://workspace.google.com/',
'https://www.google.com/retail/solutions/manufacturer-center/',
'https://www.google.com/retail/merchant-center/',
'https://podcastsmanager.google.com/',
'https://www.google.com/webmasters/tools/home?hl=en',
'https://www.google.com/tagmanager/', 'https://biz.waze.com/',
'https://developers.google.com/business-communications/business-
messages/quides', 'https://wallet.google/',
'https://developers.google.com/products/?hl=fr',
'https://instagram.com/google/',
'https://www.youtube.com/user/Google', 'https://twitter.com/google',
'https://www.facebook.com/Google',
'https://www.linkedin.com/company/google', '../contact-google/',
'https://abc.xyz/investor/', 'https://careers.google.com/',
'../locations/', 'https://www.blog.google/',
'https://www.thinkwithgoogle.com/intl/fr-fr/'
'https://transparency.google', 'https://www.blog.google/press/',
'https://www.blog.google/press/',
'https://www.google.com/permissions/',
'https://www.google.com/about/appsecurity/',
```

```
'https://www.google.com/about/software-principles.html'
'https://www.google.com/about/unwanted-software-policy.html',
'https://www.google.com/about/responsible-supply-chain/',
'../extended-workforce/',
'https://abc.xyz/investor/conflictminerals/', '../community-
guidelines/', '../how-our-business-works/', '../',
'https://support.google.com?hl=ALL',
'https://www.google.com/policies/privacy/',
'https://www.google.com/policies/terms/']},
'http://www.google.fr/history/optout?hl=fr':
{'http://www.google.fr/history/optout?hl=fr': ['/',
'https://www.google.fr/intl/fr/about/products',
'https://accounts.google.com/ServiceLogin?
passive=1209600&continue=https://www.google.fr/history/optout?hl%3Dfr
%26nzb%3D1&followup=https://www.google.fr/history/optout?hl%3Dfr%26nzb
%3D1&hl=fr&ec=GAZAjQI', '/', 'https://consent.google.fr/d?
continue=https://www.google.fr/history/optout?hl%3Dfr%26nzb
%3D1&gl=FR&m=0&pc=sc&uxe=eomt&cm=5&hl=fr&src=4',
'https://accounts.google.com/login?hl=fr',
'https://accounts.google.com/login?hl=fr']},
'https://google.com/preferences?hl=fr':
{'https://google.com/preferences?hl=fr':
['https://support.google.com/accounts/answer/61416?hl=fr', '/url?
q=https://myactivity.google.com/product/search/controls%3Futm source
%3Dgoogle%26utm medium%3Dpref-page%26hl%3Dfr%26authuser
%3D0&opi=89978449&sa=U&ved=0ahUKEwiszobWhdaFAxXgVKQEHY78DDAQ7JsICAE&us
q=A0vVaw3CUw2qQ8SR1xdncsdctw50',
'/url?q=/setting/search/privateresults%3Fhl%3Dfr%26authuser
%3D0&opi=89978449&sa=U&ved=0ahUKEwiszobWhdaFAxXqVKQEHY78DDAQ-
vUJCAI&usq=A0vVaw0KGq7th1NzzTw3l8jl-cd3', '/url?q=/safesearch%3Fhl
%3Dfr%26prev%3Dhttps://www.google.com/preferences%3Fhl
%253Dfr&opi=89978449&sa=U&ved=0ahUKEwiszobWhdaFAxXqVKQEHY78DDAQ1fMKCAM
&usg=A0vVaw2Hb8MHZibfeQLGiDVrXucU',
'https://support.google.com/websearch/?
p=display language&utm source=google&utm medium=pref-page&hl=fr',
'/url?q=https://support.google.com/websearch/%3Fp%3Dws results help
%26hl%3Dfr%26fg
%3D1&opi=89978449&sa=U&ved=0ahUKEwiszobWhdaFAxXqVKQEHY78DDAQ8KwCCAq&us
g=A0vVaw2o9ycbXPhi2gN6AWFJr0RN',
'/url?q=https://policies.google.com/privacy%3Fhl%3Dfr%26fg
%3D1&opi=89978449&sa=U&ved=0ahUKEwiszobWhdaFAxXqVK0EHY78DDAQ8awCCAk&us
q=A0vVaw0M7u5TTMmJJu9sfNWGFYJ-',
/url?q=https://policies.google.com/terms%3Fhl%3Dfr%26fg
%3D1&opi=89978449&sa=U&ved=0ahUKEwiszobWhdaFAxXqVKQEHY78DDAQ8qwCCAo&us
g=A0vVaw3yW0TG7HohZF57lsTP3u47']},
'https://accounts.google.com/ServiceLogin?
hl=fr&passive=true&continue=https://www.google.com/&ec=GAZAAO':
{'https://accounts.google.com/ServiceLogin?
hl=fr&passive=true&continue=https://www.google.com/&ec=GAZAAQ':
['/signin/usernamerecovery?continue=https://www.google.com/&dsh=S-
```

```
1962696007:1713796553084583&ec=GAZAAQ&flowEntry=ServiceLogin&flowName=
WebLiteSignIn&hl=fr&ifkv=ARZ0qKKK7-
LhC8Q7aKGmCJsq2CP0UtUEXREON0IJ0r60SvYp ZVhUVSe7BZJf06P8KGPAzhN1rty',
'https://support.google.com/accounts?p=signin privatebrowsing&hl=fr',
'/lifecycle/flows/signup?continue=https://www.google.com/&dsh=S-
1962696007:1713796553084583&ec=GAZAAQ&flowEntry=SignUp&flowName=GlifWe
bSignIn&hl=fr&ifkv=ARZ0gKKK7-
LhC8Q7aKGmCJsq2CP0UtUEXREON0IJ0r60SvYp ZVhUVSe7BZJf06P8KGPAzhN1rty',
'https://support.google.com/accounts?hl=fr&p=account iph',
'https://accounts.google.com/TOS?loc=FR&hl=fr&privacy=true',
'https://accounts.google.com/TOS?loc=FR&hl=fr']},
'https://google.com/search?sca esv=f65ab4fb82876b19&sca upv=1&ie=UTF-
8&a=progr
%C3%A8s+contre+le+changement+climatique&oi=ddle&ct=308473234&hl=fr&si=
AKbGX oBDfquzodaRrfbb9img4kPQ4fCBZjeqAiaW1svvC8uXrZKgDPeXQYIbne APYeKM
sl0e5Y6yaMWADTUWQnv8bjbSBBvuqUzUBcON9YmKgkBdjt62E6o29zxxl0jdSKuCkQSiw1
zcMJXsf88DnqnfD9qLuTVVp48IX08KiYaB3lsBMHbLn2tsFpF7bemM6qq7yjrSe0&sa=X&
ved=0ahUKEwjh0MfUhdaFAxW-UKQEHRUADVMQPQqD':
{'https://google.com/search?sca esv=f65ab4fb82876b19&sca upv=1&ie=UTF-
8&a=proar
%C3%A8s+contre+le+changement+climatique&oi=ddle&ct=308473234&hl=fr&si=
AKbGX oBDfquzodaRrfbb9img4kPQ4fCBZjegAiaW1svvC8uXrZKqDPeXQYIbne APYeKM
sl0e5Y6yaMWADTUWQnv8bjbSBBvuqUzUBcON9YmKqkBdjt62E6o29zxxl0jdSKuCkQSiw1
zcMJXsf88DngnfD9qLuTVVp48IX08KiYaB3lsBMHbLn2tsFpF7bemM6gq7yjrSe0&sa=X&
ved=0ahUKEwjh0MfUhdaFAxW-UKQEHRUADVMQPQgD':
['https://accounts.google.com/ServiceLogin?hl=fr&continue=https://
www.google.com/search?sca esv%3Df65ab4fb82876b19%26sca upv%3D1%26ie
%3DUTF-8%26q%3Dprogr%25C3%25A8s%2Bcontre%2Ble%2Bchangement
%2Bclimatique%26oi%3Dddle%26ct%3D308473234%26hl%3Dfr%26si
%3DAKbGX oBDfquzodaRrfbb9img4kPQ4fCBZjeqAiaW1svvC8uXrZKgDPeXQYIbne APY
eKMsl0e5Y6yaMWADTUWQnv8bjbSBBvuqUzUBc0N9YmKqkBdjt62E6o29zxxl0jdSKuCkQS
iw1zcMJXsf88DngnfD9qLuTVVp48IX08KiYaB3lsBMHbLn2tsFpF7bemM6qq7vjrSe0
%26sa%3DX%26ved%3D0ahUKEwjh0MfUhdaFAxW-UKQEHRUADVMQPQqD&qae=cb-none',
'https://accounts.google.com/ServiceLogin?hl=fr&continue=https://www.g
oogle.com/search?sca esv%3Df65ab4fb82876b19%26sca upv%3D1%26ie%3DUTF-
8%26q%3Dprogr%25C3%25A8s%2Bcontre%2Ble%2Bchangement%2Bclimatique%26oi
%3Dddle%26ct%3D308473234%26hl%3Dfr%26si
%3DAKbGX oBDfquzodaRrfbb9imq4kPQ4fCBZjeqAiaW1svvC8uXrZKqDPeXQYIbne APY
eKMsl0e5Y6yaMWADTUWQnv8bjbSBBvuqUzUBc0N9YmKgkBdjt62E6o29zxxl0jdSKuCkQS
iw1zcMJXsf88DngnfD9qLuTVVp48IX08KiYaB3lsBMHbLn2tsFpF7bemM6gq7yjrSe0
%26sa%3DX%26ved%3D0ahUKEwjh0MfUhdaFAxW-UK0EHRUADVM0P0qD&gae=cb-none',
'https://policies.google.com/technologies/cookies?
hl=fr&utm_source=ucb', 'https://consent.google.com/dl?
continue=https://www.google.com/search?sca esv
%3Df65ab4fb82876b19%26sca upv%3D1%26ie%3DUTF-8%26g%3Dprogr%25C3%25A8s
%2Bcontre%2Ble%2Bchangement%2Bclimatique%26oi%3Dddle%26ct
%3D308473234%26hl%3Dfr%26si
%3DAKbGX oBDfquzodaRrfbb9imq4kPQ4fCBZjeqAiaW1svvC8uXrZKqDPeXQYIbne APY
eKMsl0e5Y6yaMWADTUWQnv8bjbSBBvuqUzUBc0N9YmKqkBdjt62E6o29zxxl0jdSKuCkQS
```

```
iw1zcMJXsf88DngnfD9qLuTVVp48IX08KiYaB3lsBMHbLn2tsFpF7bemM6gg7yjrSe0
%26sa%3DX%26ved%3D0ahUKEwjh0MfUhdaFAxW-
UKQEHRUADVMQPQqD&ql=FR&hl=fr&cm=2&pc=srp&uxe=none&src=1',
'https://policies.google.com/privacy?hl=fr&utm source=ucb',
'https://policies.google.com/terms?hl=fr&utm source=ucb']},
'https://google.com/advanced search?hl=fr&authuser=0':
{'https://google.com/advanced search?hl=fr&authuser=0': ['/webhp?
tab=ww', 'https://www.google.fr/intl/fr/about/products?tab=wh',
'https://accounts.google.com/ServiceLogin?
hl=fr&passive=true&continue=https://www.google.com/advanced search
%3Fhl%3Dfr%26authuser%3D0&ec=GAZAAQ', '/webhp?tab=ww',
'https://support.google.com/websearch?p=ws images usagerights&hl=fr',
'https://support.google.com/websearch?p=adv pages similar&hl=fr',
'https://support.google.com/websearch?p=adv pages visited&hl=fr',
'https://support.google.com/websearch?p=adv operators&hl=fr',
'/preferences?hl=fr',
'/url?q=https://support.google.com/websearch/%3Fp%3Dws results help
%26hl%3Dfr%26fa
%3D1&opi=89978449&sa=U&ved=0ahUKEwjVxK3WhdaFAxWORKQEHQ1TBsqQ8KwCCAI&us
q=A0vVaw303W6B1e3Kulbs1fgEx-h1',
'/url?q=https://policies.google.com/privacy%3Fhl%3Dfr%26fq
%3D1&opi=89978449&sa=U&ved=0ahUKEwjVxK3WhdaFAxWORKQEHQ1TBsqQ8awCCAM&us
g=A0vVaw2X19slaijw0bWgUI3S6zpb',
'/url?q=https://policies.google.com/terms%3Fhl%3Dfr%26fg
%3D1&opi=89978449&sa=U&ved=0ahUKEwjVxK3WhdaFAxWORKQEHQ1TBsgQ8gwCCAQ&us
g=A0vVaw0D6jXhCq6V-xu -ZccJijb',
'/url?q=https://support.google.com/websearch%3Fp%3Dfr consumer info
%26hl%3Dfr%26fg
%3D1&opi=89978449&sa=U&ved=0ahUKEwjVxK3WhdaFAxWORK0EH01TBsq09NMDCAU&us
g=A0vVaw30cg9kWEcugW3gZ1Nhm0YE',
'/url?q=https://support.google.com/legal/answer/3110420%3Fhl%3Dfr%26fg
%3D1&opi=89978449&sa=U&ved=0ahUKEwjVxK3WhdaFAxWORKQEHQ1TBsgQqLkICAY&us
g=A0vVaw0h7e_--BxscXwyym1XtFAv']}, 'https://www.google.com/url?
q=https://sustainability.google/intl/fr fr/
&source=hpp&id=19041546&ct=3&usg=A0vVaw0xdc51CfClxznF-
QSeHpge&sa=X&ved=0ahUKEwjh0MfUhdaFAxW-UKQEHRUADVMQ8IcBCAU':
{'https://www.google.com/url?q=https://sustainability.google/intl/
fr fr/&source=hpp&id=19041546&ct=3&usg=A0vVaw0xdc51CfClxznF-
QSeHpge&sa=X&ved=0ahUKEwjh0MfUhdaFAxW-UKQEHRUADVMQ8IcBCAU':
['#content', './', './', 'empowering-individuals/', 'working-
together/', 'working-together/', 'working-together/tools/',
'operating-sustainably/', 'operating-sustainably/', 'operating-
sustainably/net-zero-carbon/', 'operating-sustainably/water-
stewardship/', 'operating-sustainably/circular-economy/', 'operating-
sustainably/nature-biodiversity/', 'operating-sustainably/stories/',
'reports/', 'https://blog.google/products/travel/google-travel-impact-
model-sustainability/', 'https://blog.google/products/travel/building-
sustainable-future-travel/', '/intl/fr/travel/',
'https://blog.google/outreach-initiatives/sustainability/google-
```

```
transportation-energy-emissions-reduction/',
'https://blog.google/products/search/new-ways-to-make-more-
sustainable-choices/', 'https://ourworldindata.org/transport',
'https://blog.google/around-the-globe/google-europe/eco-friendly-
routing-in-europe/', 'https://cloud.google.com/blog/products/maps-
platform/new-advanced-routing-and-map-customization-capabilities',
'https://blog.google/products/maps/sustainable-immersive-maps-
announcements/', 'https://blog.google/products/travel/find-more-
sustainable-travel-options-with-new-search-tools/', 'empowering-
individuals/', 'empowering-individuals/', 'working-together/',
'working-together/', 'operating-sustainably/', 'operating-
sustainably/', 'empowering-individuals/#google-maps', 'empowering-
individuals/#google-shopping', 'empowering-individuals/#travel',
'empowering-individuals/#google-nest', 'working-together/tools/earth-
engine/', 'working-together/tools/environmental-insights-explorer/',
operating-sustainably/', 'operating-sustainably/', '#net-zero-
carbon', '#water-stewardship', '#circular-economy', '#nature-
biodiversity', 'operating-sustainably/net-zero-carbon/', 'operating-
sustainably/net-zero-carbon/', 'https://blog.google/outreach-
initiatives/sustainability/equitable-clean-energy-transition/',
'https://blog.google/around-the-globe/google-europe/clean-energy-
progress/',
'https://blog.google/outreach-initiatives/sustainability/greenhouse-
gas-protocol-comments/',
'https://www.gstatic.com/gumdrop/sustainability/google-2022-climate-
action-progress-update.pdf', 'operating-sustainably/water-
stewardship/', 'operating-sustainably/water-stewardship/',
'https://blog.google/outreach-initiatives/sustainability/3-ways-were-
tackling-water-challenges-in-india/', 'https://blog.google/outreach-
initiatives/sustainability/ask-a-techspert-bay-view-water-positive/',
'https://blog.google/inside-google/infrastructure/a-sustainable-
solution-helped-a-small-town-cool-its-data-center/',
'https://blog.google/outreach-initiatives/sustainability/our-
commitment-to-climate-conscious-data-center-cooling/', 'operating-
sustainably/circular-economy/', 'operating-sustainably/circular-
economy/',
'https://blog.google/outreach-initiatives/sustainability/google-
plastic-pollution-reduction/', 'https://blog.google/outreach-
initiatives/entrepreneurs/circular-economy-accelerator/',
'https://blog.google/outreach-initiatives/sustainability/single-use-
plastics-challenge/',
'https://www.gstatic.com/gumdrop/sustainability/closing-plastics-gap-
full-report.pdf', 'operating-sustainably/nature-biodiversity/',
'operating-sustainably/nature-biodiversity/',
'https://blog.google/intl/en-au/company-news/technology/monitoring-
wildlife-with-ai/',
'https://blog.google/outreach-initiatives/sustainability/world-
wildlife-day-2022/',
'https://blog.google/outreach-initiatives/sustainability/monarch-
```

```
butterflies-california/',
'https://blog.google/outreach-initiatives/sustainability/restoring-
native-habitats-silicon-valley/', 'https://blog.google/intl/fr-fr/',
'https://www.gstatic.com/gumdrop/sustainability/247-carbon-free-
energy.pdf', 'https://www.gstatic.com/gumdrop/sustainability/google-
water-stewardship.pdf',
'https://www.gstatic.com/gumdrop/sustainability/google-2022-climate-
action-progress-update.pdf',
'https://www.gstatic.com/gumdrop/sustainability/closing-plastics-gap-
full-report.pdf', 'empowering-individuals/',
'empowering-individuals/#google-maps',
'empowering-individuals/#google-search',
'empowering-individuals/#travel', 'empowering-individuals/#google-
shopping', 'empowering-individuals/#google-nest',
'https://www.google.com/intl/fr/accessibility/'
'https://crisisresponse.google/', 'https://wellbeing.google/', 'https://about.google/belonging/', 'https://safety.google/',
'https://health.google/', 'https://grow.google/intl/fr fr/#filter',
'working-together/', 'https://www.datacommons.org/',
'https://insights.sustainability.google/',
'https://earth.google.com/web/', 'working-together/tools/',
'operating-sustainably/', 'operating-sustainably/net-zero-carbon/',
'operating-sustainably/water-stewardship/',
'operating-sustainably/circular-economy/'
'operating-sustainably/nature-biodiversity/',
'operating-sustainably/stories/',
'https://www.gstatic.com/gumdrop/sustainability/google-2023-
environmental-report.pdf',
'https://www.gstatic.com/gumdrop/sustainability/alphabet-2023-cdp-
climate-change-response.pdf'
'https://www.gstatic.com/gumdrop/sustainability/google-2023-supplier-
responsibility-report.pdf',
'https://www.gstatic.com/gumdrop/sustainability/google-2023-eu-nfrd-
report.pdf', 'https://www.gstatic.com/gumdrop/sustainability/2022-
google-statement-against-modern-slavery.pdf'
'https://www.gstatic.com/gumdrop/sustainability/google-2022-climate-
action-progress-update.pdf', 'reports/',
'https://www.google.com/intl/fr/accessibility/',
'https://crisisresponse.google/', 'https://wellbeing.google/',
'https://about.google/belonging/', 'https://safety.google/',
'https://health.google/', 'https://grow.google/intl/fr_fr/#filter',
                          'https://about.google/?
'https://www.google.com',
utm_source=sustainability.google&utm_medium=referral&utm_campaign=sust
ainability-footer-en', 'https://about.google/products/',
'https://policies.google.com/privacy',
'https://policies.google.com/terms', 'https://support.google.com/']},
'https://google.com/intl/fr/ads/': {'https://google.com/intl/fr/ads/':
['#main-page-content', './../home/', 'https://myaccount.google.com/'
'//accounts.google.com/Logout', 'https://policies.google.com/privacy',
```

```
'https://myaccount.google.com/termsofservice',
'//ads.google.com/nav/selectaccount?dst=/aw/campaigns/new/express&subi
d=ALL-fr-awhp-g-aw-{device}-home-sso!o2-adshp-hv-g4-22',
'./../home/ads-experts-support/#contact-hub',
'//ads.google.com/nav/login?subid=ALL-fr-awhp-g-aw-{device}-home-
signin!o2-adshp-hv-q4-22', '//ads.google.com/signup?subid=ALL-fr-awhp-
a-aw-{device}-home-top!o2-adshp-hv-q4-22', './../home/',
 ./../home/goals/', '#', './../home/campaigns/search-ads/',
'./../home/campaigns/performance-max/', './../home/campaigns/display-
ads/', './../home/campaigns/shopping-ads/',
 ./../home/campaigns/video-ads/', './../home/campaigns/app-ads/',
'./../home/campaigns/smart-campaigns/', './../home/campaigns/demand-
gen/', './../home/measurement/', './../home/measurement/conversion-
tracking/', './../home/measurement/bidding/', './../home/campaigns/ai-powered-ad-solutions/', './../home/tools/', './../home/tools/keyword-planner/', './../home/tools/manager-accounts/', './../home/tools/ads-editor/', './../home/tools/reach-planner/', './../home/tools/mobile-app/', './../home/tools/insights-finder/', './../home/tools/api/',
 ./../home/tools/performance-planner/',
'./../home/tools/experiments/', './../home/tools/recommendations/'
'./../home/tools/audience-insights/', '#', './../home/partners/work-
with-a-partner/', './../home/partners/become-a-partner/',
'./../home/ads-experts-support/',
'./../home/ads-experts-support/#contact-hub',
'//ads.google.com/nav/login?subid=ALL-fr-awhp-g-aw-{device}-home-
signin!o2-adshp-hv-q4-22', '//ads.google.com/signup?subid=ALL-fr-awhp-
q-aw-{device}-home-top!o2-adshp-hv-q4-22',
'https://myaccount.google.com/', '//accounts.google.com/Logout',
'https://policies.google.com/privacy',
'https://myaccount.google.com/termsofservice',
'//ads.google.com/nav/selectaccount?dst=/aw/campaigns/new/express&subi
d=ALL-fr-awhp-q-aw-{device}-home-sso!o2-adshp-hv-q4-22',
'./../home/campaigns/search-ads/', './../home/campaigns/performance-
max/', './../home/campaigns/display-ads/',
 './../home/campaigns/shopping-ads/', './../home/campaigns/video-ads/',
'./../home/campaigns/app-ads/', './../home/campaigns/smart-
campaigns/', './../home/campaigns/demand-gen/',
 ./../home/measurement/', './../home/measurement/conversion-
tracking/', './../home/measurement/bidding/', './../home/campaigns/ai-
powered-ad-solutions/', './../home/tools/', './../home/tools/keyword-planner/', './../home/tools/manager-accounts/', './../home/tools/ads-editor/', './../home/tools/reach-planner/', './../home/tools/mobile-app/', './../home/tools/insights-finder/', './../home/tools/api/',
 ./../home/tools/performance-planner/',
'./../home/tools/experiments/', './../home/tools/recommendations/',
'./../home/tools/audience-insights/', './../home/partners/work-with-a-
partner/', './../home/partners/become-a-partner/',
 //ads.google.com/signup?subid=ALL-fr-awhp-g-aw-{device}-home-flo!o2-
adshp-hv-q4-22', '#', 'https://ads.google.com/signup?subid=ALL-fr-
```

```
awhp-g-aw-{device}-home-mod!o2-adshp-hv-g4-22',
'https://www.google.com/intl/fr/ads/coupons/terms/fr mena/',
'//ads.google.com/signup?subid=ALL-fr-awhp-g-aw-{device}-home-hero!o2-
adshp-hv-q4-22', './../home/ads-experts-support/',
'./../home/campaigns/search-ads/', './../home/campaigns/display-ads/', './../home/campaigns/shopping-ads/', './../home/campaigns/video-ads/',
'./../home/campaigns/app-ads/', './../home/goals/', './../home/ads-
experts-support/', 'https://blog.google/products/ads/',
'https://twitter.com/googleadsfr',
'https://www.youtube.com/user/learnwithgooglefr',
'https://www.facebook.com/FRGoogleAds', './../home/',
'./../home/goals/', './../home/ads-experts-support/'
'https://support.google.com/google-ads/answer/6146252?
utm medium=et&utm campaign=fr&utm source=ww-ww-et-b2bfooter adwords',
'https://support.google.com/google-ads/#topic=10286612'
'https://support.google.com/google-ads/community?ctx=lithium',
'https://learndigital.withgoogle.com/atelierdigital-fr/',
'https://skillshop.exceedlms.com/student/catalog/list?category ids=53-
google-
ads&use locale=true&utm source=website&utm medium=website&utm campaign
=GoogleAdsSite', 'https://developers.google.com/?utm source=devtools',
'https://ads.google.com/intl/fr fr/home/tools/api/',
'https://developers.google.com/google-ads/scripts/docs/start?
utm source=devtools&hl=fr',
'https://support.google.com/google-ads/answer/2476688',
'https://www.google.fr/intl/fr/retail/solutions/performance-max/',
'https://www.google.fr/intl/fr/business/',
'https://www.google.com/intl/fr/chrome/',
'https://waze.com/business/',
'https://smallbusiness.withgoogle.com/intl/fr fr/?subid=fr-fr-et-g-
awa-a-g hpbfoot1 1!
o2&utm source=google&utm medium=ep&utm campaign=google_hpbfooter&utm_c
ontent=google hpbfooter&gmbsrc=fr-fr-et-gs-z-gmb-s-z-u~sb-g4sb srvcs-
u#!/', 'https://workspace.google.fr/intl/fr/',
'https://www.thinkwithgoogle.com/intl/fr-fr/',
'https://adsense.google.com/start/?subid=ww-en-et-ads-ot-a-google ads!
o3&utm source=internal&utm medium=et&utm campaign=google ads',
'https://admob.google.com/intl/fr ALL/home/',
'https://www.google.com', 'https://policies.google.com/privacy',
'https://policies.google.com/terms', 'https://about.google/intl/fr/',
'https://about.google/intl/fr/products/',
'https://support.google.com/google-ads/']},
'https://google.com/services/': {'https://google.com/services/':
['https://smallbusiness.withgoogle.com/intl/fr_fr/?subid=fr-fr-et-g-
awa-a-g hpbfoot1 1!
o2&utm source=google&utm medium=ep&utm campaign=google hpbfooter&utm c
ontent=qoogle hpbfooter&qmbsrc=fr-fr-et-gs-z-gmb-s-z-u~sb-g4sb_srvcs-
u']}, 'https://google.com/intl/fr/about.html':
{'https://google.com/intl/fr/about.html': ['./', '#page-content',
```

```
'./', './', 'impact/', 'products/', 'commitments/', 'stories/',
'./stories/year-in-search/', './products/',
'https://support.google.com/'
'https://safety.google/intl/FR_fr/products/',
'https://workspace.google.com/', './impact/', './stories/azerty/',
'./commitments/', 'https://sustainability.google/intl/fr/',
'https://learndigital.withgoogle.com/ateliersnumerigues/',
'./stories/', './stories/barral-ia/', './stories/antibiogo-msf/',
'./stories/favoriser-emploi/', './stories/cybersecurite-ia/',
'https://instagram.com/google/'
'https://www.youtube.com/user/Google', 'https://twitter.com/google',
'https://www.facebook.com/Google',
'https://www.linkedin.com/company/google', 'contact-google/',
'https://abc.xyz/investor/', 'https://careers.google.com/',
'locations/', 'https://www.blog.google/',
'https://www.thinkwithgoogle.com/intl/fr-fr/',
'https://transparency.google', 'https://www.blog.google/press/',
'https://www.blog.google/press/',
'https://www.google.com/permissions/',
'https://www.google.com/about/appsecurity/',
'https://www.google.com/about/software-principles.html',
'https://www.google.com/about/unwanted-software-policy.html',
'https://www.google.com/about/responsible-supply-chain/', 'extended-workforce/', 'https://abc.xyz/investor/conflictminerals/', 'community-guidelines/', 'how-our-business-works/', './',
'https://support.google.com?hl=ALL',
'https://www.google.com/policies/privacy/',
'https://www.google.com/policies/terms/']},
'https://www.google.com/setprefdomain?prefdom=FR&prev=https://www.goog
le.fr/&sig=K YNmC di8iA0dBgjA7xBzgaaI8FY%3D':
{'https://www.google.com/setprefdomain?prefdom=FR&prev=https://www.goo
gle.fr/&sig=K YNmC di8iA0dBgjA7xBzgaaI8FY%3D':
['https://www.google.fr/imghp?hl=fr&tab=wi',
'https://maps.google.fr/maps?hl=fr&tab=wl', 'https://play.google.com/?
hl=fr&tab=w8', 'https://www.youtube.com/?tab=w1',
'https://news.google.com/?tab=wn', 'https://mail.google.com/mail/?
tab=wm', 'https://drive.google.com/?tab=wo',
'https://www.google.fr/intl/fr/about/products?tab=wh',
'http://www.google.fr/history/optout?hl=fr', '/preferences?hl=fr',
'https://accounts.google.com/ServiceLogin?
hl=fr&passive=true&continue=https://www.google.fr/&ec=GAZAAO',
'/search?sca esv=f65ab4fb82876b19&ie=UTF-8&q=progr
%C3%A8s+contre+le+changement+climatique&oi=ddle&ct=308473234&hl=fr&si=
AKbGX_oBDfquzodaRrfbb9img4kPQ4fCBZjeqAiaW1svvC8uXrZKgDPeXQYIbne APYeKM
sl0e5Y6yaMWADTUWQnv8bjbSBBvuqUzUBcON9YmKqkBdjt62E6o29zxxl0jdSKuCkQSiw1
zcMJXsf88DngnfD9qLuTVVp48IX08KiYaB3lsBMHbLn2tsFpF7bemM6qq7vjrSe0&sa=X&
ved=0ahUKEwjinOvWhdaFAxVpUaOEHeigBrIOPOgD', '/advanced search?
hl=fr&authuser=0',
'https://www.google.com/url?q=https://sustainability.google/intl/fr fr
```

```
/&source=hpp&id=19041546&ct=3&usg=A0vVaw0xdc51CfClxznF-
QSeHpqe&sa=X&ved=0ahUKEwjinOvWhdaFAxVpUaQEHeigBrIQ8IcBCAU',
'/intl/fr/ads/', '/services/', '/intl/fr/about.html',
'https://www.google.fr/setprefdomain?prefdom=US&sig=K_hnxfvUKhIYYWP6U-YkC9EB_BCSY%3D', '/intl/fr/policies/privacy/',
'/intl/fr/policies/terms/']},
'https://google.com/intl/fr/policies/privacy/':
{'https://google.com/intl/fr/policies/privacy/':
['https://google.com/intl/fr/policies/terms/':
{'https://google.com/intl/fr/policies/terms/':
['https://google.com/intl/fr/policies/terms/':
['https://policies.google.com/terms?hl=fr']}}
```

A la fin de cette expérience, rendez votre fichier notebook et sa version pdf !!!