Организованное
место Псевдофиз Наук

Библиотека незгораемая

Super Hot

Прикладное Ахтоведение

справочник
персонажа-лучника

Издательство «светлое кольцо»

Нуарсити

2007

Содержание

Bee Movie Script

According to all known laws
of aviation,

there is no way a bee
should be able to fly.

Its wings are too small to get
its fat little body off the ground.

The bee, of course, flies anyway

because bees don't care
what humans think is impossible.

Yellow, black. Yellow, black.
Yellow, black. Yellow, black.

Ooh, black and yellow!
Let's shake it up a little.

Barry! Breakfast is ready!

Ooming!

Hang on a second.

Hello?

- Barry?
- Adam?

- Oan you believe this is happening?
- I can't. I'll pick you up.

Looking sharp.

Use the stairs. Your father
paid good money for those.

Sorry. I'm excited.

Here's the graduate.

We're very proud of you, son.

A perfect report card, all B's.

Very proud.

Ma! I got a thing going here.

- You got lint on your fuzz.

- Ow! That's me!

- Wave to us! We'll be in row 118,000.

- Bye!

Barry, I told you,

stop flying in the house!

- Hey, Adam.

- Hey, Barry.

- Is that fuzz gel?

- A little. Special day, graduation.

Never thought I'd make it.

Three days grade school,

three days high school.

Those were awkward.

Three days college. I'm glad I took

a day and hitchhiked around the hive.

You did come back different.

- Hi, Barry.

- Artie, growing a mustache? Looks good.

- Hear about Frankie?

- Yeah.

- You going to the funeral?

- No, I'm not going.

Everybody knows,

sting someone, you die.

Don't waste it on a squirrel.

Such a hothead.

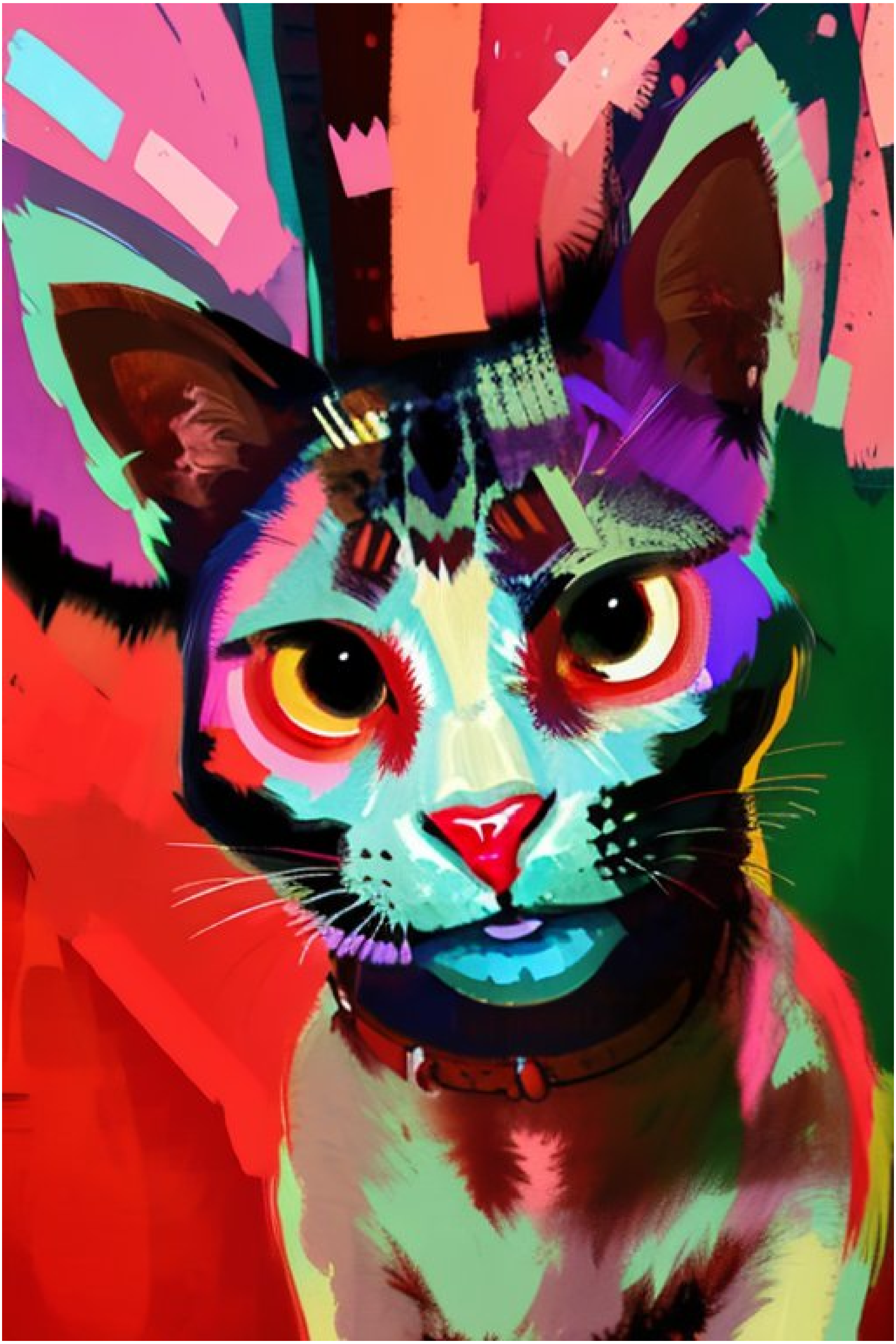
I guess he could have

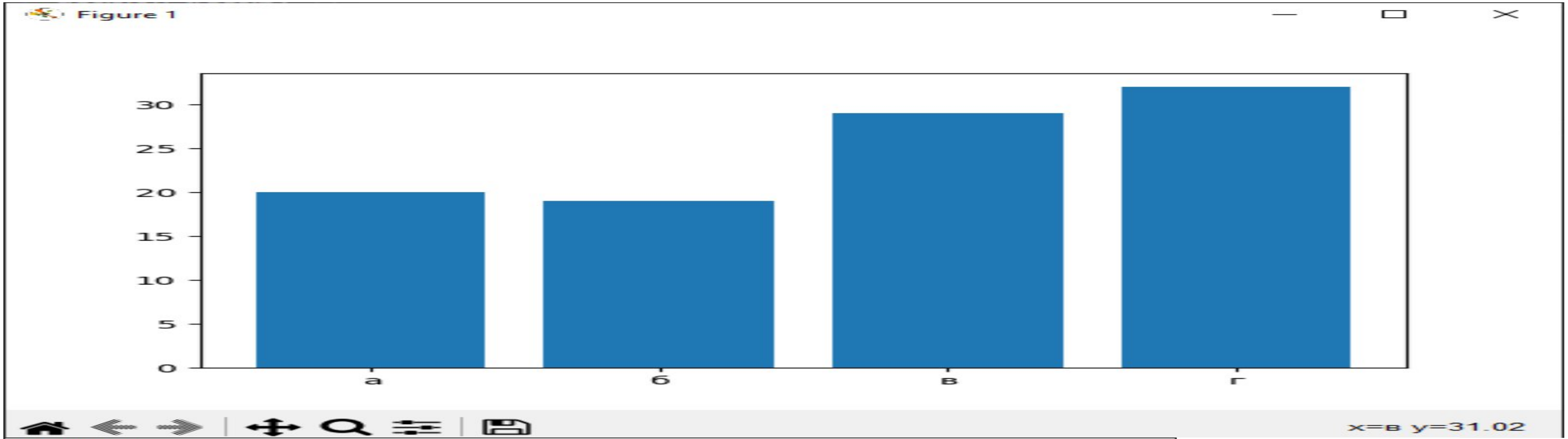
just gotten out of the way.

I love this incorporating

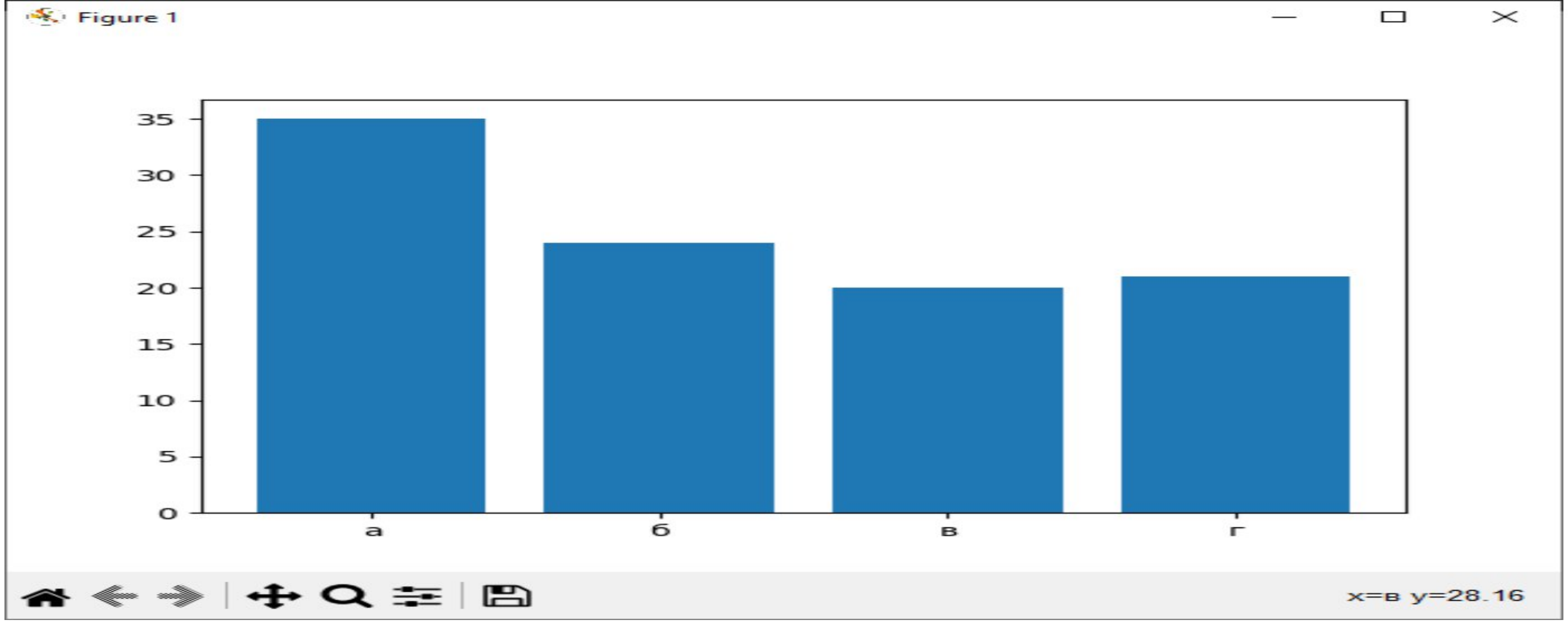
an amusement park into our day.

That's why we don't need vacations.





x=в y=31.02

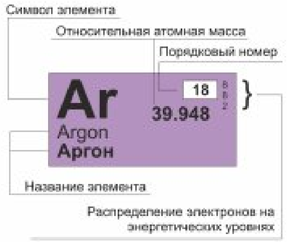


x=в y=28.16

ПЕРИОДИЧЕСКАЯ СИСТЕМА ХИМИЧЕСКИХ ЭЛЕМЕНТОВ Д. И. МЕНДЕЛЕЕВА

ПЕРИОДЫ	ГРУППЫ ЭЛЕМЕНТОВ									
	A I B	A II B	A III B	A IV B	A V B	A VI B	A VII B	A	VIII	B
1	(H)						H 1 1.00794 Hydrogenium Водород 1	He 2 4.002602 Helium Гелий 2		
2	Li 3 6.941 Lithium Литий 1 2	Be 4 9.0122 Beryllium Бериллий 2 2	B 5 10.811 Borum Бор 3 2	C 6 12.011 Carboneum Углерод 4 2	N 7 14.007 Nitrogenium Азот 5 2	O 8 15.999 Oxygenium Кислород 6 2	F 9 18.998 Fluorum Фтор 7 2	Ne 10 20.179 Neon Неон 8 2		
3	Na 11 22.99 Natrium Натрий 1 8 2	Mg 12 24.305 Magnesium Магний 2 8 2	Al 13 26.9815 Aluminium Алюминий 3 8 2	Si 14 28.086 Silicium Кремний 4 8 2	P 15 30.974 Phosphorus Фосфор 5 8 2	S 16 32.066 Sulfur Сера 6 8 2	Cl 17 35.453 Chlorium Хлор 7 8 2	Ar 18 39.948 Argon Аргон 8 8 2		
4	K 19 39.098 Kalium Калий 1 8 8 2	Ca 20 40.08 Calcium Кальций 2 8 8 2	2 9 8 2 21 Sc 44.956 Scandium Скандий	2 10 8 2 22 Ti 47.90 Titanium Титан	2 11 8 2 23 V 50.941 Vanadium Ванадий	1 13 8 2 24 Cr 51.996 Chromium Хром	2 13 8 2 25 Mn 54.938 Manganum Марганец	2 14 8 2 26 Fe 55.847 Ferrum Железо	2 15 8 2 27 Co 58.933 Cobaltum Кобальт	2 16 8 2 28 Ni 58.70 Niccolum Никель
	1 18 8 2 29 Cu 63.546 Cuprum Медь	2 18 8 2 30 Zn 65.39 Zincum Цинк	Ga 31 69.72 Gallium Галий 3 18 8 2	Ge 32 72.59 Germanium Германий 4 18 8 2	As 33 74.992 Arsenicum Мышьяк 5 18 8 2	Se 34 78.96 Selenium Селен 6 18 8 2	Br 35 79.904 Bromum Бром 7 18 8 2	Kr 36 83.80 Krypton Криптон 8 18 8 2		
5	Rb 37 85.468 Rubidium Рубидий 1 8 18 8 2	Sr 38 87.62 Strontium Стронций 2 8 18 8 2	2 9 18 8 2 39 Y 88.906 Yttrium Иттрий	2 10 18 8 2 40 Zr 91.22 Zirconium Цирконий	1 12 18 8 2 41 Nb 92.906 Niobium Ниобий	1 13 18 8 2 42 Mo 95.94 Molybdaenum Молибден	2 13 18 8 2 43 Tc 97.91 Technetium Технеций	1 15 18 8 2 44 Ru 101.07 Ruthhenium Рутений	1 16 18 8 2 45 Rh 102.906 Rhodium Родий	0 18 18 8 2 46 Pd 106.4 Palladium Палладий
	1 18 18 8 2 47 Ag 107.868 Argentum Серебро	2 18 18 8 2 48 Cd 112.41 Cadmium Кадмий	In 49 114.82 Indium Индий 3 18 18 8 2	Sn 50 118.71 Stannum Олово 4 18 18 8 2	Sb 51 121.75 Stibium Сурьма 5 18 18 8 2	Te 52 127.60 Tellurium Теллур 6 18 18 8 2	I 53 126.9045 Iodum Иод 7 18 18 8 2	Xe 54 131.29 Xenon Ксенон 8 18 18 8 2		
6	Cs 55 132.905 Cesium Цезий 1 8 18 18 8 2	Ba 56 137.33 Barium Барий 2 8 18 18 8 2	2 9 18 18 8 2 57 La* 138.9055 Lanthanum Лантан	2 10 32 18 8 2 72 Hf 178.49 Hafnium Гафний	2 11 32 18 8 2 73 Ta 180.9479 Tantalum Тантал	2 12 32 18 8 2 74 W 183.85 Wolframium Вольфрам	2 13 32 18 8 2 75 Re 186.207 Rhenium Рений	2 14 32 18 8 2 76 Os 190.2 Osmium Осмий	2 15 32 18 8 2 77 Ir 192.22 Iridum Иридий	1 17 32 18 8 2 78 Pt 195.08 Platinum Платина
	1 18 32 18 8 2 79 Au 196.967 Aurum Золото	2 18 32 18 8 2 80 Hg 200.59 Hydrargyrum Ртуть	Tl 81 204.38 Thallium Таллий 3 18 32 18 8 2	Pb 82 207.19 Plumbum Свинец 4 18 32 18 8 2	Bi 83 208.980 Bismuthum Висмут 5 18 32 18 8 2	Po 84 209.98 Polonium Полоний 6 18 32 18 8 2	At 85 209.99 Astatium Астат 7 18 32 18 8 2	Rn 86 [222] Radon Радон 8 18 32 18 8 2		
7	Fr 87 [223] Francium Франций 1 8 18 32 18 8 2	Ra 88 [226] Radium Радий 2 8 18 32 18 8 2	2 9 18 32 18 8 2 89 Ac** [227] Actinium Актиний	2 10 32 32 18 8 2 104 Rf [261] Rutherfordium Фезерфордий	2 11 32 32 18 8 2 105 Db [262] Dubnium Дубний	2 12 32 32 18 8 2 106 Sg [263] Seaborgium Сиборгий	2 13 32 32 18 8 2 107 Bh [262] Bohrium Борий	2 14 32 32 18 8 2 108 Hs [265] Hassium Хассий	2 15 32 32 18 8 2 109 Mt [266] Meitnerium Мейтнерий	2 16 32 32 18 8 2 110 [269]
ФОРМУЛЫ ВЫСШИХ ОКСИДОВ	R_2O	RO	R_2O_3	RO_2	R_2O_5	RO_3	R_2O_7	RO_4		
ФОРМУЛЫ ЛЕТУЧИХ ОДНОРОДНЫХ СОЕДИНЕНИЙ				RH_4	RH_3	RH_2	RH			

ЛАНТАНОИДЫ*	58 Ce 140.12 Cerium Церий	59 Pr 140.908 Praseodymium Празеодим	60 Nd 144.24 Neodymium Неодим	61 Pm 144.91 Promethium Прометий	62 Sm 150.36 Samarium Самарий	63 Eu 151.96 Europium Европий	64 Gd 157.25 Gadolinium Гадолиний	65 Tb 158.926 Terbium Тербий	66 Dy 162.50 Dysprosium Диспрозий	67 Ho 164.930 Holmium Гольмий	68 Er 167.26 Erbium Эрбий	69 Tm 168.934 Thulium Тулий	70 Yb 173.04 Ytterbium Иттербий	71 Lu 174.967 Lutetium Лютеций
	90 Th	91 Pa	92 U	93 Np	94 Pu	95 Am	96 Cm	97 Bk	98 Cf	99 Es	100 Fm	101 Md	102 No	103 L


Символ элемента
Относительная атомная масса
Порядковый номер
Ar
18
39.948
8 8 2
Argon
Аргон
Название элемента
Распределение электронов на энергетических уровнях

```
# -*- coding: utf-8 -*-

import argparse
import sys
import os

from pdf2image import convert_from_path as pdf_convert_from_path

from img_hundler import ImageHundler

def init_args(args: list) -> "ArgumentParser":
    parser = argparse.ArgumentParser(prog = "mkbook",
        description="Make book from pdf to print.")
    parser.add_argument("pdf_in", type=str, nargs=1,
                        help="Path to source pdf.")
    parser.add_argument("pdf_out", type=str, nargs=1,
                        help="Path to output pdf")
    parser.add_argument("--dpi", type=int, default=200, required=False,
                        help="More value means better quality, but larger file size.")
    parser.add_argument("--rotate_left", default=True, action='store_false',
                        help="When rotating landscape (horizontally) sheets, rotate them to the left
(counterclockwise).")
    parser.add_argument("--rotate180_even", default=False, action='store_true',
                        help="Rotates output pages with even numbers by 180 degrees.")
    parser.add_argument("--out_one_by_one", default=False, action='store_true',
                        help="The output pages go one after the other, not the even ones first, and then the
odd ones.")
    parser.add_argument("--save_odd_even", default=False, action='store_true',
                        help="Additionally save pages with odd and even numbers separately.")
    parser.add_argument("--add_blank_before", type=int, default=0,
                        help="Add blank sheets to the beginning.")
    parser.add_argument("--add_blank_after", type=int, default=0,
                        help="Add blank sheets to the end.")
    args = parser.parse_args(args[1:])

    return args

def solve_transform(imgs: list, args: list) -> list:
    left_right = not args.rotate_left
    pout("Resizing for A4 and landscape to portrait... ", endl=False)
    for i, img_i in enumerate(imgs):
        new_img = ImageHundler(img_i)
        new_img.resize_4A4_fill()
        img_size = new_img.get().size
        if(img_size[0] > img_size[1]): # landscape
            new_img.rotate90(left_right)
        imgs[i] = new_img.get()
    pout("OK")

    pout("Bringing all pages to the same size... ", endl=False)
    max_w = max(imgs, key=lambda x:x.size[0]).size[0]
    max_h = int(max_w* (2**(0.5)) + 0.5)
    res = []
    for img_i in imgs:
        buff = ImageHundler(img_i)
        buff.resize((max_w, max_h))
        res.append(buff.get())
    pout("OK")

    return res

def adding_blank(imgs: list, before: int, after: int) -> list:
    blank = ImageHundler(imgs[0])
    blank = blank.get_as_empty()

    res_before = []
    for i in range(before):
        res_before.append(blank.copy())

    res_after = []
    for i in range(after):
        res_after.append(blank.copy())
    return res_before + imgs + res_after

def fill_4(imgs: list) -> list:
    c = len(imgs)
    if(c % 4 == 0):
        return imgs
    else:
        pout("Adding blank pages so that their number is a multiple of 4... ", endl=False)
        buff = ImageHundler(imgs[0])
        diff = 4 - (c % 4)
        res = imgs + [buff.get_as_empty() for _ in range(diff)]
        pout("OK")
        return res

def split(imgs: list) -> "([odd], [even])":
    pout("Dividing pages into 2 sets: odd and even... ", endl=False)
    odd, even = [], []
    for i, img_i in enumerate(imgs):
        if((i+1)%2 == 1): # odd
            odd.append(img_i)
        else: # even
            even.append(img_i)
    pout("OK")
    return (odd, even)

def rotate_even_180(imgs: list) -> list:
    pout(f"Rotating pages with even numbers 180 degrees... " , endl=False)
    for i, img_i in enumerate(imgs):
        imgs[i] = imgs[i].rotate(180, expand=True)
    pout("OK")
    return imgs

def A5_A4(imgs: list, odd_even: bool = False) -> list:
    """
    odd_even == False -> odd
    odd_even == True -> even
    """
    odd_even_str = "odd" if odd_even == False else "even"
    pout(f"Fastening the pages in a set of {odd_even_str} pages... ", endl=False)
    c = len(imgs)
    if(c % 2 != 0):
        raise ValueError(f"Len ({c}) of imgs must be even! ")

    res = []
    for i in range(c//2):
        img_l, img_r = imgs[i], imgs[c-1-i]
        if(odd_even == False): # !!!
            img_l, img_r = img_r, img_l
        img_l = ImageHundler(img_l)
        img_l.append_2right(img_r)
        res.append(img_l.get())

    pout("OK")
    return res

def pout(s: str, endl: bool = True):
    if(endl==False):
        print(s, end="")
    else:
        print(s)
    sys.stdout.flush()

if __name__ == '__main__':
    """
    1. Получить все листы из pdf, как png.
    2. Сделать их все формата AX (1:1.41).
    3. Сделать все листы портретными.
    4. Добавить пустых листов, чтобы их кол-во было кратно 4.
    5. Делаем 2 множества: чётных и нечётных.
    6. Соединяем (append_2right) элементы этих множеств.
    7. Сохраняем
    """
    args = init_args(sys.argv)
    pdf_in = os.path.abspath(args.pdf_in[0])
    pdf_out = os.path.abspath(args.pdf_out[0])
    rotate180_even = args.rotate180_even
    out_one_by_one = args.out_one_by_one
    save_odd_even = args.save_odd_even
    add_blank_before, add_blank_after = args.add_blank_before, args.add_blank_after
    dpi = args.dpi

    pout(f"Getting from pdf \"{pdf_in}\" pages with dpi={dpi}... " , endl=False)
    imgs = pdf_convert_from_path(pdf_in, dpi)
    pout("OK")
    if(len(imgs) <= 0):
        print(f"\"pdf_in\" has {len(imgs)} pages. Exitting...")
        exit()

    imgs = solve_transform(imgs, args)

    imgs = adding_blank(imgs, add_blank_before, add_blank_after)

    imgs = fill_4(imgs)

    imgs_odd, imgs_even = split(imgs)

    imgs_odd = A5_A4(imgs_odd, False)
    imgs_even = A5_A4(imgs_even, True)

    if(rotate180_even == True):
        imgs_even = rotate_even_180(imgs_even)

    if(out_one_by_one == False):
        pout("Connecting the pages together: first the numbers with odd, then with even... ", endl=False)
        imgs = imgs_odd + imgs_even # insert
        pout("OK")
    else:
        pout(f"Connecting pages together: odd ({len(imgs_odd)}) and even ({len(imgs_even)}) pages alternate
one by one... ", endl=False)
        imgs = [imgs_odd[i//2] if i%2==0 else imgs_even[i//2] for i in range(len(imgs_odd)+len(imgs_even))]
        pout("OK")

    pout(f"Saving output pdf \"{pdf_out}\"... ", endl=False)
    imgs[0].save(pdf_out, save_all=True, append_images=imgs[1:])
    pout("OK")

    if(save_odd_even == True):
        fn, fe = os.path.splitext(pdf_out)
        odds_path, evens_path = fn + "_odds" + fe, fn + "_evens" + fe
        pout(f"Saving odds \"{odds_path}\"... ", endl=False)
        imgs_odd[0].save(odds_path, save_all=True, append_images=imgs_odd[1:])
        pout("OK")
        pout(f"Saving odds \"{evens_path}\"... ", endl=False)
        imgs_even[0].save(evens_path, save_all=True, append_images=imgs_even[1:])
        pout("OK")


    pout(f"{'='*20}DONE!{'='*20}")
```

В необъятных просторах лунной пустоши, где магический свет покрывает землю, сто
существо, которое отличалось своей невероятной эксцентричностью. Это было нечт
среднего между космической курицей и пурпурным единорогом. У него были перья
разных цветов, меняющихся в зависимости от его настроения, а его рог пронизывал