Spring 2024 CS 4641/7641 A: Machine Learning Homework 4

Instructor: Dr. Mahdi Roozbahani

Deadline: Friday, April 19, 2024 11:59 pm EST

- No unapproved extension of the deadline is allowed. Submission past our 48-hour penalized acceptance period will lead to 0 credit.

- Discussion is encouraged on Ed as part of the Q/A. However, all assignments should be done individually.

- Plagiarism is a **serious offense**. You are responsible for completing your own work. You are not allowed to copy and paste, or paraphrase, or submit materials created or published by others, as if you created the materials. All materials submitted must be your own.

- All incidents of suspected dishonesty, plagiarism, or violations of the Georgia Tech Honor Code will be subject to the institute's Academic Integrity procedures. If we observe any (even small) similarities/plagiarisms detected by Gradescope or our TAs, **WE WILL DIRECTLY REPORT ALL CASES TO OSI**, which may, unfortunately, lead to a very harsh outcome. **Consequences can be severe, e.g., academic probation or dismissal, grade penalties, a 0 grade for assignments concerned, and prohibition from withdrawing from the class.**

Instructions for the assignment

- This assignment consists of both programming and theory questions.

- Unless a theory question explicitly states that no work is required to be shown, you must provide an explanation, justification, or calculation for your answer.

- To switch between cell for code and for markdown, see the menu -> Cell -> Cell Type

- You can directly type Latex equations into markdown cells.

- If a question requires a picture, you could use this syntax `<img src="" style="width: 300px;"/>` to include them within your ipython notebook.

- Your write up must be submitted in PDF form. You may use either Latex, markdown, or any word processing software. We will **NOT** accept handwritten work. Make sure that your work is formatted correctly, for example submit $\sum_{i=0} x_i$ instead of \text{sum_{i=0} x_i}

- When submitting the non–programming part of your assignment, you must correctly map pages of your PDF to each question/subquestion to reflect where they appear. **Improperly mapped questions may not be graded correctly and/or will result in point deductions for the error.****
- All assignments should be done individually, and each student must write up and submit their own answers.
- **Graduate Students**: You are required to complete any sections marked as Bonus for Undergrads

Using the autograder

- You will find three assignments (for grads) on Gradescope that correspond to HW4: "Assignment 4 Programming", "Assignment 4 - Non-programming" and "Assignment 4 Programming - Bonus for all". Undergrads will have an additional assignment called "Assignment 4 Programming - Bonus for Undergrads".
- You will submit your code for the autograder in the Assignment 4 Programming sections. Please refer to the Deliverables and Point Distribution section for what parts are considered required, bonus for undergrads, and bonus for all".
- We provided you different .py files and we added libraries in those files please DO NOT remove those lines and add your code after those lines. Note that these are the only allowed libraries that you can use for the homework
- You are allowed to make as many submissions until the deadline as you like. Additionally, note that the autograder tests each function separately, therefore it can serve as a useful tool to help you debug your code if you are not sure of what part of your implementation might have an issue
- **For the "Assignment 4 - Non-programming" part, you will need to submit to Gradescope a PDF copy of your Jupyter Notebook with the cells ran. See this EdStem Post for multiple ways on to convert your .ipynb into a .pdf file.** Please refer to the **Deliverables and Point Distribution** section for an outline of the non-programming questions.
- **When submitting to Gradescope, please make sure to mark the page(s) corresponding to each problem/sub-problem. The pages in the PDF should be of size 8.5" x 11", otherwise there may be a deduction in points for extra long sheets.**
- You **MUST** pass the Autograder Test to gain points for the programming section. There will not be any partial credit or manual grading for this part.

Using the local tests

- For some of the programming questions we have included a local test using a small toy dataset to aid in debugging. The local test sample data and outputs are stored in localtests.py
- There are no points associated with passing or failing the local tests, you must still pass the autograder to get points.

- **It is possible to fail the local test and pass the autograder** since the autograder has a certain allowed error tolerance while the local test allowed error may be smaller. Likewise, passing the local tests does not guarantee passing the autograder.
- **You do not need to pass both local and autograder tests to get points, passing the Gradescope autograder is sufficient for credit.**
- It might be helpful to comment out the tests for functions that have not been completed yet.
- It is recommended to test the functions as it gets completed instead of completing the whole class and then testing. This may help in isolating errors. Do not solely rely on the local tests, continue to test on the autograder regularly as well.

Deliverables and Points Distribution

Q1: Classification with Two Layer NN [80 pts; 55pts + 25pts Grad / 3.3% Undergrad Bonus]

Deliverables: NN.py and Notebook Graphs

- **1.1 NN Implementation** [65pts; 50pts + 15pts Grad / 2% **Bonus for Undergrad**] – *programming*

  - Leaky_relu [5pts]

  - Softmax [5pts]

  - Cross Entropy loss [5pts]

  - dropout [5pts]

  - forward propagation and with and without dropout [5pts + 5pts]

  - compute gradients and update weights [2.5pts + 2.5pts]

  - backward without momentum [5pt]

  - Gradient Descent [10pts]

  - Batch Gradient Descent [10pts Grad / 1.3% **Bonus for Undergrad**]

  - Momentum [5pts Grad / 0.7% **Bonus for Undergrad**]

- **1.2 Loss plot and CE for Gradient Descent** [5pts] - *non-programming*

- **1.3 Loss plot and CE for Batch Gradient Descent** [5pts Grad / 0.7% **Bonus for Undergrad**] - *non-programming*

- **1.4 Loss plot and CE value for NN with Gradient Descent with Momentum** [5pts Grad / 0.6% **Bonus for Undergrad**] - *non-programming*

Q2: CNN [25pts; 20pts Grad / 2.7% Bonus for Undergrad + 1.1% Bonus for All]

Deliverables: cnn.py, cnn_image_transformations.py and Written Report

- **2.1 Image Classification using Pytorch CNN** [20pts Grad / 2.7% **Bonus for Undergrad**]

  - 2.1.1 Loading the Model [5pts Grad / 0.7% **Bonus for Undergrad**] - *programming*

  - 2.1.3 Building the Model [5pts Grad / 0.7% **Bonus for Undergrad**] - *non-programming*

  - 2.1.4 Training the Model [8pts Grad / 1% **Bonus for Undergrad**] - *non-programming*

  - 2.1.5 Examining Accuracy and Loss [2pts Grad / 0.3% **Bonus for Undergrad**] - *non-programming*

- **2.2 Exploring Deep CNN Architectures** [1.1% **Bonus for All**] - *non-programming*

Q3: Random Forest [45pts; 40pts + 1.1% Bonus for All]

Deliverables: random_forest.py and Written Report

- 3.1 Random Forest Implementation [35pts] - *programming*

- 3.2 Hyperparameter Tuning with a Random Forest [5pts] - *programming*

- 3.3 Plotting Feature Importance [1.1% **Bonus for All**] - *non-programming*

Q4: SVM [7.8% Bonus for all]

Deliverables: feature.py and Written Report

- 4.1: Fitting an SVM Classifier by hand [5.5%] - *non programming*

- 4.2: Feature Mapping [2.3%] - *programming*

Environment Setup

```
In [1]:  import sys
         import time
         from collections import Counter
         from math import log2, sqrt

         import matplotlib
         import matplotlib.pyplot as plt
         import numpy as np
         import pandas as pd
         from NN import NeuralNet
```

```python
from scipy import stats
from sklearn import svm
from sklearn.datasets import fetch_california_housing, load_diabetes, make_moor
from sklearn.metrics import accuracy_score, classification_report, mean_square
from sklearn.model_selection import train_test_split
from sklearn.preprocessing import LabelEncoder, MinMaxScaler
from sklearn.tree import DecisionTreeClassifier
from utilities.utils import get_housing_dataset

print("Version information")

print("python: {}".format(sys.version))
print("matplotlib: {}".format(matplotlib.__version__))
print("numpy: {}".format(np.__version__))

%load_ext autoreload
%autoreload 2
%reload_ext autoreload
```

```
Version information
python: 3.11.7 (main, Dec 15 2023, 12:09:04) [Clang 14.0.6 ]
matplotlib: 3.8.0
numpy: 1.26.3
```

Coding and Emissions

Coding and computational research contribute to greenhouse gas emissions. The main source of these emissions is the power draw of computers during compute- and data-intensive computational analyses. In 2020, the sector of information and communication technologies was responsible for between 1.8% and 2.8% of GHG emissions, surprisingly more than the sector of aviation [1]. Machine learning models, especially large ones, can consume significant amounts of energy during training and inference, which contributes to greenhouse gas emissions. Artificial intelligence, including large language models, is also a significant emitter of carbon [2].

Carbon footprint of coding impacts several Sustainable Development Goals (SDGs), particularly SDG 13 (Climate Action) and SDG 12 (Responsible Consumption and Production).[3] This means writing clean and efficient code transcends functionality—it's an environmental imperative. As coders, we can play a role in mitigating this impact.

Measuring Our Impact:

CodeCarbon estimates the amount of CO2 produced by the cloud or personal computing resources used to execute the code[4] .

Using CodeCarbon in your upcoming assignment will help you understand the environmental impact of your code and explore ways to reduce it.

```python
In [2]:   from codecarbon import EmissionsTracker
```

```
tracker = EmissionsTracker()
tracker.start()
```

```
[codecarbon INFO @ 10:29:57] [setup] RAM Tracking...
[codecarbon INFO @ 10:29:57] [setup] GPU Tracking...
[codecarbon INFO @ 10:29:57] No GPU found.
[codecarbon INFO @ 10:29:57] [setup] CPU Tracking...
[codecarbon WARNING @ 10:29:58] No CPU tracking mode found. Falling back on CP
U constant mode.
[codecarbon WARNING @ 10:30:00] We saw that you have a Intel(R) Core(TM) i7-77
00HQ CPU @ 2.80GHz but we don't know it. Please contact us.
[codecarbon INFO @ 10:30:00] CPU Model on constant consumption mode: Intel(R)
Core(TM) i7-7700HQ CPU @ 2.80GHz
[codecarbon INFO @ 10:30:00] >>> Tracker's metadata:
[codecarbon INFO @ 10:30:00]    Platform system: macOS-10.16-x86_64-i386-64bit
[codecarbon INFO @ 10:30:00]    Python version: 3.11.7
[codecarbon INFO @ 10:30:00]    CodeCarbon version: 2.3.4
[codecarbon INFO @ 10:30:00]    Available RAM : 16.000 GB
[codecarbon INFO @ 10:30:00]    CPU count: 8
[codecarbon INFO @ 10:30:00]    CPU model: Intel(R) Core(TM) i7-7700HQ CPU @ 2.
80GHz
[codecarbon INFO @ 10:30:00]    GPU count: None
[codecarbon INFO @ 10:30:00]    GPU model: None
```

1: Two Layer Neural Network [80 pts; 55pts + 25pts Grad / 3.3% Undergrad Bonus] **[P]****[W]**

1.1 NN Implementation [65pts; 50pts + 15pts Grad / 2% Bonus for Undergrad] **[P]**

In this section, you will implement a two layer fully connected neural network to perform a Classification Task. You will also experiment with different activation functions and optimization techniques. We provide two activation functions here - Leaky Relu and Softmax. You will implement a neural network where the first hidden layer has a Leaky Relu activation and the second hidden layer leads to a Softmax.

You'll also implement Gradient Descent (GD) and Batch Gradient Descent (BGD) algorithms for training these neural nets. **GD is mandatory for all. BGD is bonus for undergraduate students but mandatory for graduate students.**

In the **NN.py** file, complete the following functions:

- **leaky_relu**
- **softmax**
- **cross_entropy_loss**
- **_dropout**
- **forward**
- **compute_gradients**

- **update_weights**
- **backward**: Note Hint 2, if you still have issues passing the autograder make sure to address Hint 1 as well.
- **gradient_descent**
- **batch_gradient_descent**: ****Mandatory for graduate students, bonus for undergraduate students.**** Please batch your data in a wraparound manner. For example, given a dataset of 9 numbers, [1, 2, 3, 4, 5, 6, 7, 8, 9], and a batch size of 6, the first iteration batch will be [1, 2, 3, 4, 5, 6], the second iteration batch will be [7, 8, 9, 1, 2, 3], the third iteration batch will be [4, 5, 6, 7, 8, 9], etc...

We'll train this neural net on sklearn's California Housing dataset.

Activation Function

There are many activation functions that are used for various purposes. For this question, we use leaky ReLU and the softmax activation functions. We encourage you to explore the plethora of options, many of which are listed on Wikipedia.

Sigmoid

The sigmoid function is a non-linear function with an S-shaped curve and is regarded as a foundational activation function. Its output is in the range $(0, 1)$, making it the function to use for binary classification output. The function is expressed as

$$o = \phi(u) = \frac{1}{1 + e^{-u}}$$

The derivation of the sigmoid function is given by

$$o' = \phi'(u) = \frac{1}{1 + e^{-u}} \left(1 - \frac{1}{1 + e^{-u}} \right) = o(1 - o)$$

Note: We do not use sigmoid in this homework; it is only included for the sake of completeness.

sigmoid
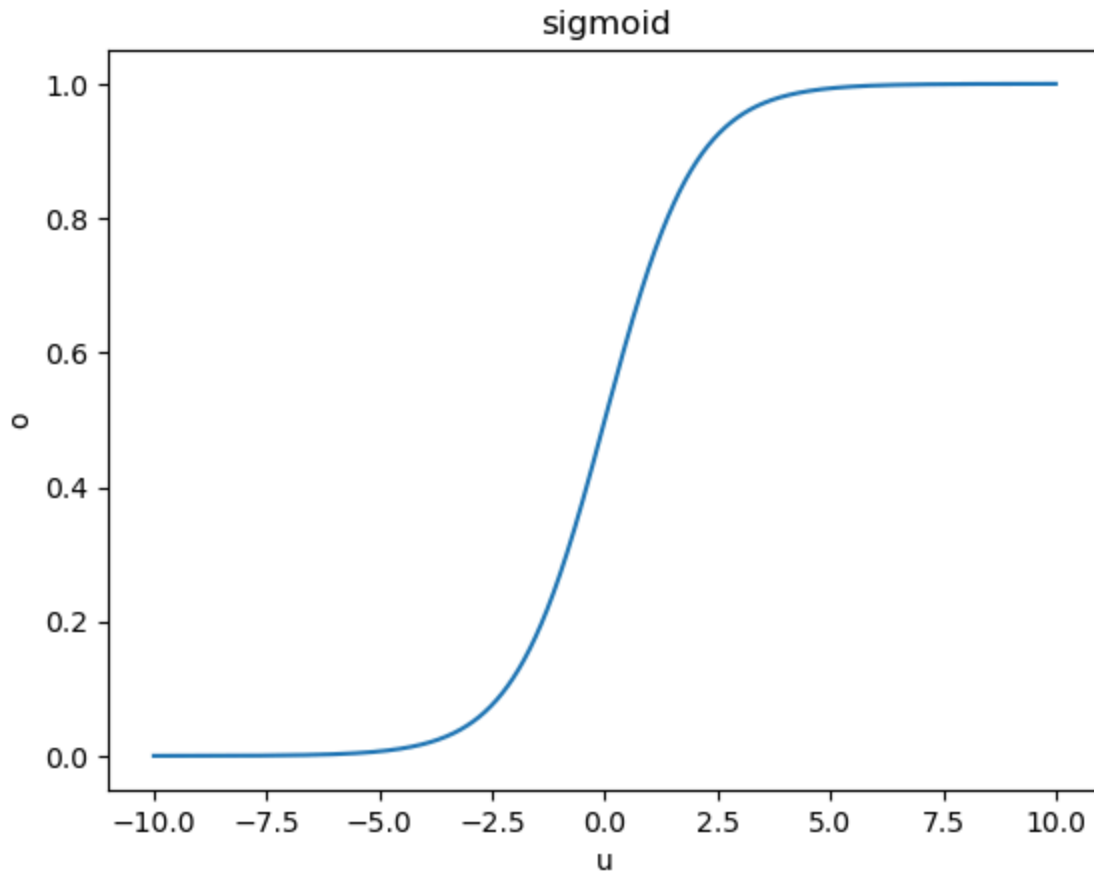
Softmax

Softmax is a common activation function used in neural networks, especially for multiclass classification problems like the one we are tackling. It is used to convert a vector of raw outputs from the last layer of the Neural Network into a probability distribution over multiple classes. The softmax function takes as input a vector of real numbers and transforms them into a probability distribution, ensuring that the probabilities sum to 1.

Mathematically, given an input vector of [x1, x2, ..., xn], the softmax function calculates the probability p(y=i) for each class i as follows:

p(y=i) = $e^{xi}/(e^{x1} + e^{x2} + \ldots + e^{xn})$

$$\text{Softmax}(x_i) = \frac{\exp(x_i)}{\sum_j \exp(x_j)}$$

As discussed in class, the equation that we will use in this Neural network accounts for both the x values and the weights:

$$softmax(x\theta) = \frac{\exp(x\theta)_m}{\sum_{j=0}^{k} \exp(x\theta)_j}$$

TODO: Implement the function **softmax** in **NN.py**.

In [3]:
```python
from utilities.localtests import TestNN

TestNN("test_softmax").test_softmax()
```

```
test_softmax passed!
```
```
[codecarbon INFO @ 10:30:18] Energy consumed for RAM : 0.000025 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:30:18] Energy consumed for all CPUs : 0.000177 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:30:18] 0.000202 kWh of electricity used since the beginn
ing.
```
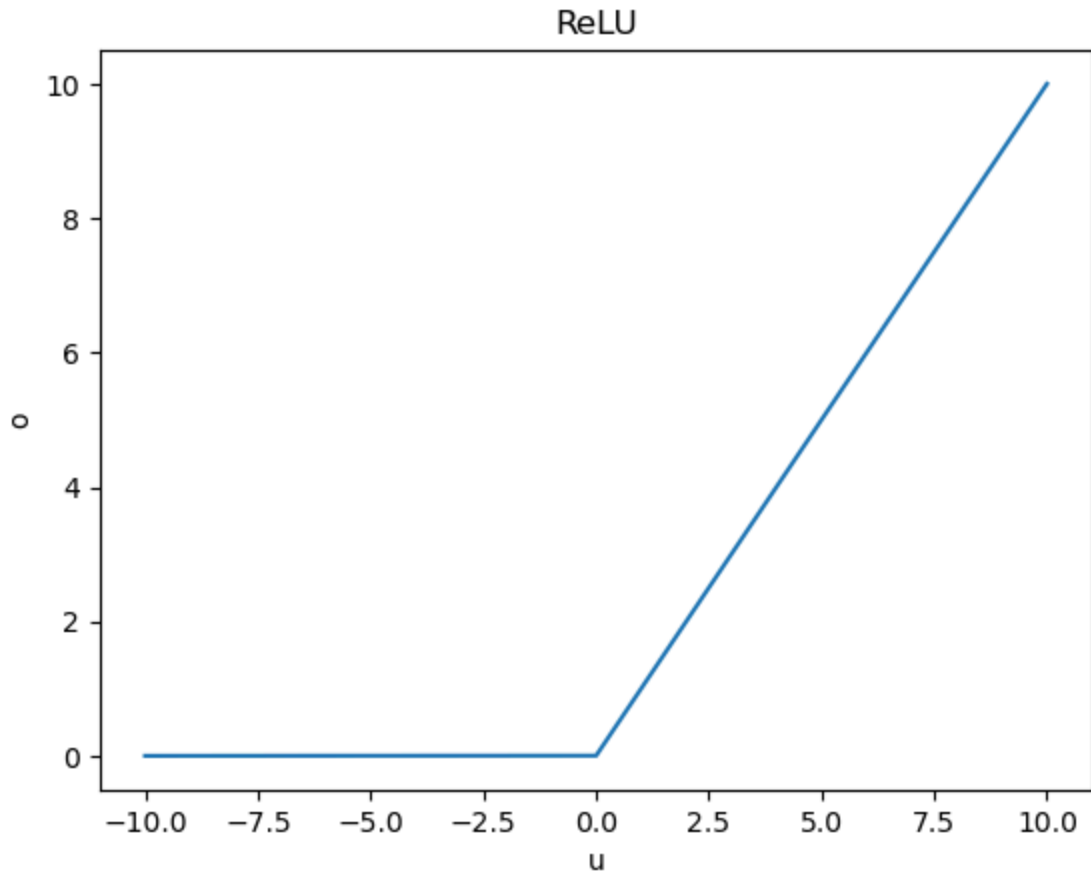
ReLU and Leaky ReLU

The rectified linear unit (ReLU) is the most commonly used activation function in deep learning today. It takes the form

$$o = \phi(u) = \max(0, u).$$

Note that ReLU can be computed very quickly due to its simplicity. The derivative of ReLU is given by

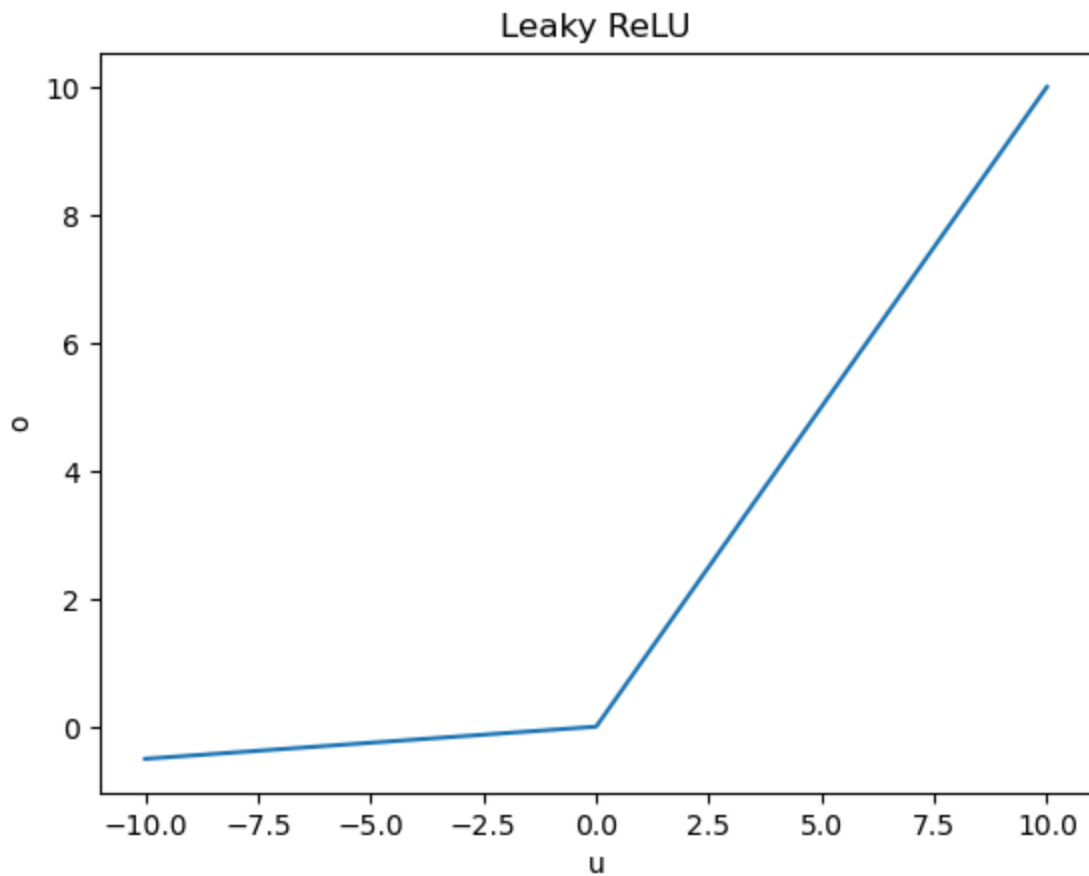$$o' = \phi'(u) = \begin{cases} 0 & u \leq 0 \\ 1 & u > 0 \end{cases}.$$

ReLU

Unfortunately, ReLU loses information for negative inputs; it always returns zero. For this reason, some researchers use a variant called leaky ReLU. Unlike ReLU, its leaky counterpart has a small slope (such as $\alpha = 0.05$) for negative inputs instead of a flat slope.

It takes the form

$$o = \phi(u) = \begin{cases} \alpha u & u \leq 0 \\ u & u > 0 \end{cases}$$

In this homework, we implement Leaky ReLU.

Leaky ReLU

TODO: Implement the function **leaky_relu** in **NN.py**.

```
In [ ]:    from utilities.localtests import TestNN

           TestNN("test_leaky_relu").test_leaky_relu()
           TestNN("test_d_leaky_relu").test_d_leaky_relu()
```

```
test_leaky_relu passed!
test_d_leaky_relu passed!
```

```
[codecarbon INFO @ 10:30:33] Energy consumed for RAM : 0.000050 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:30:33] Energy consumed for all CPUs : 0.000354 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:30:33] 0.000404 kWh of electricity used since the beginn
ing.
```

Perceptron

A single layer perceptron can be thought of as a linear hyperplane as in logistic regression followed by a non-linear activation function.

$$u_i = \sum_{j=1}^{d} \theta_{ij} x_j + b_i$$

$$o_i = \phi \left(\sum_{j=1}^{d} \theta_{ij} x_j + b_i \right) = \phi(\theta_i^T x + b_i)$$

where x is a d-dimensional vector i.e. $x \in R^d$. It is one datapoint with d features. $\theta_i \in R^d$ is the weight vector for the ith hidden unit, $b_i \in R$ is the bias element for the ith hidden unit and $\phi(.)$ is a non-linear activation function that has been described below. u_i is a linear combination of the features in x_j weighted by θ_i whereas o_i is the ith output unit from the activation layer.

Fully connected Layer

Typically, a modern neural network contains millions of perceptrons as the one shown in the previous image. Perceptrons interact in different configurations such as cascaded or parallel. In this part, we describe a fully connected layer configuration in a neural network which comprises multiple parallel perceptrons forming one layer.

We extend the previous notation to describe a fully connected layer. Each layer in a fully connected network has a number of input/hidden/output units cascaded in parallel. Let us a define a single layer of the neural net as follows:
m denotes the number of hidden units in a single layer l whereas n denotes the number of units in the previous layer $l - 1$.

$$u^{[l]} = \theta^{[l]} o^{[l-1]} + b^{[l]}$$

where $u^{[l]} \in R^m$ is a m-dimensional vector pertaining to the hidden units of the lth layer of the neural network after applying linear operations. Similarly, $o^{[l-1]} \in R^n$ is the n-dimensional output vector corresponding to the hidden units of the $(l-1)^{th}$ activation layer. $\theta^{[l]} \in R^{m \times n}$ is the weight matrix of the lth layer where each row of $\theta^{[l]}$ is analogous to θ_i described in the previous section i.e. each row corresponds to one hidden unit of the lth layer. $b^{[l]} \in R^m$ is the bias vector of the layer where each element of b pertains to one hidden unit of the lth layer. This is followed by element wise non-linear activation function $o^{[l]} = \phi(u^{[l]})$. The whole operation can be summarized as,

$$o^{[l]} = \phi(\theta^{[l]} o^{[l-1]} + b^{[l]})$$

where $o^{[l-1]}$ is the output of the previous layer.

Dropout

A dropout layer is a regularization technique used in neural networks to reduce overfitting. During training, a dropout layer looks at each input unit and randomly decide if it will be dropped (set to zero) with some given probability p. The decision for each unit is made independently. Formally, given an input of shape $N \times K$ (where N is the number of data points and K is the number of features), it samples from $\mathrm{Bernoulli}(p)$ for each unit, resulting in an output where approximately pNK of the units are zero (in expectation). This forces the network to learn more robust and generalizable features, since it cannot rely too

much on any particular input. During inference, the dropout layer is turned off, and the full network is used to make predictions.

The dropout probability p is a hyperparameter than can be tuned to adjust the strength of regularization. Setting $p = 0$ is equivalent to no dropout.

Note that the derivative of $\mathrm{dropout}(u)$ with respect to u has the same shape as u. The values of the derivative depend on the random mask.

Use this as a reference for your implementation.

Note that after applying the mask, we must scale the result by a factor of $1/(1 - p)$. Why is this necessary?

TODO: Implement the **_dropout** function in **NN.py**.

```
In [5]:   from utilities.localtests import TestNN

          TestNN("test_dropout").test_dropout()

test_dropout passed!
```

Cross Entropy Loss

Cross-Entropy Loss is a widely used loss function in machine learning and deep learning, especially for classification tasks. It measures the dissimilarity between the predicted probability distribution and the true probability distribution of a classification problem. If it is closer to zero, the better the learnt function is.

Implementation details

For classification problems as in this exercise, we compute the loss as follows:

$$CE = -\frac{1}{N} \sum_{i=1}^{N} \left(y_i \cdot log(\hat{y}_i) \right)$$

where y_i is the true label and $\hat{y}_i$ is the estimated label.

TODO: Implement the **cross_entropy_loss** function in **NN.py**.

```
In [ ]:   from utilities.localtests import TestNN

          TestNN("test_loss").test_loss()

test_loss passed!
```

```
[codecarbon INFO @ 20:23:36] Energy consumed for RAM : 0.001525 kWh. RAM Power
: 6.0 W
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l CPU Power : 42.5 W
[codecarbon INFO @ 20:23:36] 0.012327 kWh of electricity used since the beginn
ing.
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: 6.0 W
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l CPU Power : 42.5 W
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[codecarbon INFO @ 20:24:06] Energy consumed for RAM : 0.001575 kWh. RAM Power
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l CPU Power : 42.5 W
[codecarbon INFO @ 20:24:06] 0.012731 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:24:21] Energy consumed for RAM : 0.001600 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:24:21] Energy consumed for all CPUs : 0.011334 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:24:21] 0.012933 kWh of electricity used since the beginn
ing.
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: 6.0 W
[codecarbon INFO @ 20:24:36] Energy consumed for all CPUs : 0.011511 kWh. Tota
l CPU Power : 42.5 W
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ing.
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: 6.0 W
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l CPU Power : 42.5 W
[codecarbon INFO @ 20:24:51] 0.013338 kWh of electricity used since the beginn
ing.
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l CPU Power : 42.5 W
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ing.
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: 6.0 W
[codecarbon INFO @ 20:25:21] Energy consumed for all CPUs : 0.012042 kWh. Tota
l CPU Power : 42.5 W
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ing.
[codecarbon INFO @ 20:25:36] Energy consumed for RAM : 0.001725 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:25:36] Energy consumed for all CPUs : 0.012219 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:25:36] 0.013944 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:25:51] Energy consumed for RAM : 0.001750 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:25:51] Energy consumed for all CPUs : 0.012396 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:25:51] 0.014146 kWh of electricity used since the beginn
ing.
```

```
[codecarbon INFO @ 20:26:06] Energy consumed for RAM : 0.001775 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:26:06] Energy consumed for all CPUs : 0.012573 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:26:06] 0.014348 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:26:21] Energy consumed for RAM : 0.001800 kWh. RAM Power
: 6.0 W
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l CPU Power : 42.5 W
[codecarbon INFO @ 20:26:21] 0.014550 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:26:36] Energy consumed for RAM : 0.001825 kWh. RAM Power
: 6.0 W
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l CPU Power : 42.5 W
[codecarbon INFO @ 20:26:36] 0.014752 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:26:51] Energy consumed for RAM : 0.001850 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:26:51] Energy consumed for all CPUs : 0.013104 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:26:51] 0.014954 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:27:06] Energy consumed for RAM : 0.001875 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:27:06] Energy consumed for all CPUs : 0.013281 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:27:06] 0.015156 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:27:21] Energy consumed for RAM : 0.001900 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:27:21] Energy consumed for all CPUs : 0.013459 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:27:21] 0.015358 kWh of electricity used since the beginn
ing.
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: 6.0 W
[codecarbon INFO @ 20:27:36] Energy consumed for all CPUs : 0.013636 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:27:36] 0.015560 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:27:51] Energy consumed for RAM : 0.001950 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:27:51] Energy consumed for all CPUs : 0.013813 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:27:51] 0.015763 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:28:06] Energy consumed for RAM : 0.001975 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:28:06] Energy consumed for all CPUs : 0.013990 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:28:06] 0.015965 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:28:21] Energy consumed for RAM : 0.002000 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:28:21] Energy consumed for all CPUs : 0.014167 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:28:21] 0.016167 kWh of electricity used since the beginn
ing.
```

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[codecarbon INFO @ 20:28:36] Energy consumed for RAM : 0.002025 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:28:36] Energy consumed for all CPUs : 0.014344 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:28:36] 0.016369 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:28:51] Energy consumed for RAM : 0.002050 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:28:51] Energy consumed for all CPUs : 0.014521 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:28:51] 0.016571 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:29:06] Energy consumed for RAM : 0.002075 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:29:06] Energy consumed for all CPUs : 0.014698 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:29:06] 0.016773 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:29:21] Energy consumed for RAM : 0.002100 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:29:21] Energy consumed for all CPUs : 0.014875 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:29:21] 0.016975 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:29:36] Energy consumed for RAM : 0.002125 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:29:36] Energy consumed for all CPUs : 0.015052 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:29:36] 0.017177 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:29:51] Energy consumed for RAM : 0.002150 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:29:51] Energy consumed for all CPUs : 0.015229 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:29:51] 0.017379 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:30:06] Energy consumed for RAM : 0.002175 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:30:06] Energy consumed for all CPUs : 0.015407 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:30:06] 0.017581 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:30:21] Energy consumed for RAM : 0.002200 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:30:21] Energy consumed for all CPUs : 0.015584 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:30:21] 0.017783 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:30:36] Energy consumed for RAM : 0.002225 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:30:36] Energy consumed for all CPUs : 0.015761 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:30:36] 0.017986 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:30:51] Energy consumed for RAM : 0.002250 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:30:51] Energy consumed for all CPUs : 0.015938 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:30:51] 0.018188 kWh of electricity used since the beginn
ing.
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[codecarbon INFO @ 20:31:06] Energy consumed for RAM : 0.002275 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:31:06] Energy consumed for all CPUs : 0.016115 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:31:06] 0.018390 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:31:21] Energy consumed for RAM : 0.002300 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:31:21] Energy consumed for all CPUs : 0.016292 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:31:21] 0.018592 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:31:36] Energy consumed for RAM : 0.002325 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:31:36] Energy consumed for all CPUs : 0.016469 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:31:36] 0.018794 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:31:51] Energy consumed for RAM : 0.002350 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:31:51] Energy consumed for all CPUs : 0.016646 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:31:51] 0.018996 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:32:06] Energy consumed for RAM : 0.002375 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:32:06] Energy consumed for all CPUs : 0.016823 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:32:06] 0.019198 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:32:21] Energy consumed for RAM : 0.002400 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:32:21] Energy consumed for all CPUs : 0.017000 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:32:21] 0.019400 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:32:36] Energy consumed for RAM : 0.002425 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:32:36] Energy consumed for all CPUs : 0.017177 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:32:36] 0.019602 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:32:51] Energy consumed for RAM : 0.002450 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:32:51] Energy consumed for all CPUs : 0.017354 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:32:51] 0.019804 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:33:06] Energy consumed for RAM : 0.002475 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:33:06] Energy consumed for all CPUs : 0.017532 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:33:06] 0.020006 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:33:21] Energy consumed for RAM : 0.002500 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:33:21] Energy consumed for all CPUs : 0.017709 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:33:21] 0.020208 kWh of electricity used since the beginn
ing.
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[codecarbon INFO @ 20:33:36] Energy consumed for RAM : 0.002525 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:33:36] Energy consumed for all CPUs : 0.017886 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:33:36] 0.020411 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:33:51] Energy consumed for RAM : 0.002550 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:33:51] Energy consumed for all CPUs : 0.018063 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:33:51] 0.020612 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:34:06] Energy consumed for RAM : 0.002575 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:34:06] Energy consumed for all CPUs : 0.018240 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:34:06] 0.020815 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:34:21] Energy consumed for RAM : 0.002600 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:34:21] Energy consumed for all CPUs : 0.018417 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:34:21] 0.021017 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:34:36] Energy consumed for RAM : 0.002625 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:34:36] Energy consumed for all CPUs : 0.018594 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:34:36] 0.021219 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:34:51] Energy consumed for RAM : 0.002650 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:34:51] Energy consumed for all CPUs : 0.018771 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:34:51] 0.021421 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:35:06] Energy consumed for RAM : 0.002675 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:35:06] Energy consumed for all CPUs : 0.018948 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:35:06] 0.021623 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:35:21] Energy consumed for RAM : 0.002700 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:35:21] Energy consumed for all CPUs : 0.019125 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:35:21] 0.021825 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:35:36] Energy consumed for RAM : 0.002725 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:35:36] Energy consumed for all CPUs : 0.019302 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:35:36] 0.022027 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:35:51] Energy consumed for RAM : 0.002750 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:35:51] Energy consumed for all CPUs : 0.019479 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:35:51] 0.022229 kWh of electricity used since the beginn
ing.
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[codecarbon INFO @ 20:36:06] Energy consumed for RAM : 0.002775 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:36:06] Energy consumed for all CPUs : 0.019656 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:36:06] 0.022431 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:36:21] Energy consumed for RAM : 0.002800 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:36:21] Energy consumed for all CPUs : 0.019834 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:36:21] 0.022633 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:36:36] Energy consumed for RAM : 0.002825 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:36:36] Energy consumed for all CPUs : 0.020010 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:36:36] 0.022835 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:36:51] Energy consumed for RAM : 0.002850 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:36:51] Energy consumed for all CPUs : 0.020188 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:36:51] 0.023037 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:37:06] Energy consumed for RAM : 0.002875 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:37:06] Energy consumed for all CPUs : 0.020364 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:37:06] 0.023239 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:37:21] Energy consumed for RAM : 0.002900 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:37:21] Energy consumed for all CPUs : 0.020542 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:37:21] 0.023441 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:37:36] Energy consumed for RAM : 0.002925 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:37:36] Energy consumed for all CPUs : 0.020719 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:37:36] 0.023643 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:37:51] Energy consumed for RAM : 0.002950 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:37:51] Energy consumed for all CPUs : 0.020896 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:37:51] 0.023845 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:38:06] Energy consumed for RAM : 0.002975 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:38:06] Energy consumed for all CPUs : 0.021073 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:38:06] 0.024047 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:38:21] Energy consumed for RAM : 0.003000 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:38:21] Energy consumed for all CPUs : 0.021250 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:38:21] 0.024249 kWh of electricity used since the beginn
ing.
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[codecarbon INFO @ 20:38:36] Energy consumed for RAM : 0.003025 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:38:36] Energy consumed for all CPUs : 0.021427 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:38:36] 0.024451 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:38:51] Energy consumed for RAM : 0.003050 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:38:51] Energy consumed for all CPUs : 0.021604 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:38:51] 0.024654 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:39:06] Energy consumed for RAM : 0.003075 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:39:06] Energy consumed for all CPUs : 0.021781 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:39:06] 0.024856 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:39:21] Energy consumed for RAM : 0.003100 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:39:21] Energy consumed for all CPUs : 0.021958 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:39:21] 0.025058 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:39:36] Energy consumed for RAM : 0.003125 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:39:36] Energy consumed for all CPUs : 0.022135 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:39:36] 0.025260 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:39:51] Energy consumed for RAM : 0.003150 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:39:51] Energy consumed for all CPUs : 0.022312 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:39:51] 0.025462 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:40:06] Energy consumed for RAM : 0.003175 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:40:06] Energy consumed for all CPUs : 0.022489 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:40:06] 0.025664 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:40:21] Energy consumed for RAM : 0.003200 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:40:21] Energy consumed for all CPUs : 0.022666 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:40:21] 0.025866 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:40:36] Energy consumed for RAM : 0.003225 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:40:36] Energy consumed for all CPUs : 0.022844 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:40:36] 0.026068 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:40:51] Energy consumed for RAM : 0.003250 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:40:51] Energy consumed for all CPUs : 0.023021 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:40:51] 0.026270 kWh of electricity used since the beginn
ing.
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[codecarbon INFO @ 20:41:06] Energy consumed for RAM : 0.003275 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:41:06] Energy consumed for all CPUs : 0.023198 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:41:06] 0.026472 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:41:21] Energy consumed for RAM : 0.003300 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:41:21] Energy consumed for all CPUs : 0.023375 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:41:21] 0.026674 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:41:36] Energy consumed for RAM : 0.003325 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:41:36] Energy consumed for all CPUs : 0.023552 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:41:36] 0.026877 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:41:51] Energy consumed for RAM : 0.003350 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:41:51] Energy consumed for all CPUs : 0.023729 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:41:51] 0.027079 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:42:06] Energy consumed for RAM : 0.003375 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:42:06] Energy consumed for all CPUs : 0.023906 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:42:06] 0.027281 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:42:21] Energy consumed for RAM : 0.003400 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:42:21] Energy consumed for all CPUs : 0.024083 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:42:21] 0.027483 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:42:36] Energy consumed for RAM : 0.003425 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:42:36] Energy consumed for all CPUs : 0.024260 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:42:36] 0.027685 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:42:51] Energy consumed for RAM : 0.003450 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:42:51] Energy consumed for all CPUs : 0.024437 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:42:51] 0.027887 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:43:06] Energy consumed for RAM : 0.003475 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:43:06] Energy consumed for all CPUs : 0.024614 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:43:06] 0.028089 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:43:21] Energy consumed for RAM : 0.003500 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:43:21] Energy consumed for all CPUs : 0.024792 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:43:21] 0.028291 kWh of electricity used since the beginn
ing.
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[codecarbon INFO @ 20:43:36] Energy consumed for RAM : 0.003525 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:43:36] Energy consumed for all CPUs : 0.024969 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:43:36] 0.028493 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:43:51] Energy consumed for RAM : 0.003550 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:43:51] Energy consumed for all CPUs : 0.025146 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:43:51] 0.028695 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:44:06] Energy consumed for RAM : 0.003575 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:44:06] Energy consumed for all CPUs : 0.025323 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:44:06] 0.028897 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:44:21] Energy consumed for RAM : 0.003600 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:44:21] Energy consumed for all CPUs : 0.025500 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:44:21] 0.029099 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:44:36] Energy consumed for RAM : 0.003625 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:44:36] Energy consumed for all CPUs : 0.025677 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:44:36] 0.029302 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:44:51] Energy consumed for RAM : 0.003650 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:44:51] Energy consumed for all CPUs : 0.025855 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:44:51] 0.029505 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:45:06] Energy consumed for RAM : 0.003675 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:45:06] Energy consumed for all CPUs : 0.026031 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:45:06] 0.029706 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:45:21] Energy consumed for RAM : 0.003700 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:45:21] Energy consumed for all CPUs : 0.026208 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:45:21] 0.029908 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:45:36] Energy consumed for RAM : 0.003724 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:45:36] Energy consumed for all CPUs : 0.026385 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:45:36] 0.030110 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:45:51] Energy consumed for RAM : 0.003749 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:45:51] Energy consumed for all CPUs : 0.026562 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:45:51] 0.030312 kWh of electricity used since the beginn
ing.
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[codecarbon INFO @ 20:46:06] Energy consumed for RAM : 0.003774 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:46:06] Energy consumed for all CPUs : 0.026739 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:46:06] 0.030514 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:46:21] Energy consumed for RAM : 0.003799 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:46:21] Energy consumed for all CPUs : 0.026917 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:46:21] 0.030716 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:46:36] Energy consumed for RAM : 0.003824 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:46:36] Energy consumed for all CPUs : 0.027094 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:46:36] 0.030918 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:46:51] Energy consumed for RAM : 0.003849 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:46:51] Energy consumed for all CPUs : 0.027271 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:46:51] 0.031120 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:47:06] Energy consumed for RAM : 0.003874 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:47:06] Energy consumed for all CPUs : 0.027448 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:47:06] 0.031322 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:47:21] Energy consumed for RAM : 0.003899 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:47:21] Energy consumed for all CPUs : 0.027625 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:47:21] 0.031524 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:47:36] Energy consumed for RAM : 0.003924 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:47:36] Energy consumed for all CPUs : 0.027802 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:47:36] 0.031726 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:47:51] Energy consumed for RAM : 0.003949 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:47:51] Energy consumed for all CPUs : 0.027979 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:47:51] 0.031929 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:48:06] Energy consumed for RAM : 0.003974 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:48:06] Energy consumed for all CPUs : 0.028156 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:48:06] 0.032131 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:48:21] Energy consumed for RAM : 0.003999 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:48:21] Energy consumed for all CPUs : 0.028333 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:48:21] 0.032333 kWh of electricity used since the beginn
ing.
```

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[codecarbon INFO @ 20:48:36] Energy consumed for RAM : 0.004024 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:48:36] Energy consumed for all CPUs : 0.028510 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:48:36] 0.032535 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:48:51] Energy consumed for RAM : 0.004049 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:48:51] Energy consumed for all CPUs : 0.028687 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:48:51] 0.032737 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:49:06] Energy consumed for RAM : 0.004074 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:49:06] Energy consumed for all CPUs : 0.028865 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:49:06] 0.032939 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:49:21] Energy consumed for RAM : 0.004099 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:49:21] Energy consumed for all CPUs : 0.029042 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:49:21] 0.033141 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:49:36] Energy consumed for RAM : 0.004124 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:49:36] Energy consumed for all CPUs : 0.029219 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:49:36] 0.033343 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:49:51] Energy consumed for RAM : 0.004149 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:49:51] Energy consumed for all CPUs : 0.029396 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:49:51] 0.033545 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:50:06] Energy consumed for RAM : 0.004174 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:50:06] Energy consumed for all CPUs : 0.029573 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:50:06] 0.033747 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:50:21] Energy consumed for RAM : 0.004199 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:50:21] Energy consumed for all CPUs : 0.029750 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:50:21] 0.033949 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:50:36] Energy consumed for RAM : 0.004224 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:50:36] Energy consumed for all CPUs : 0.029927 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:50:36] 0.034152 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:50:51] Energy consumed for RAM : 0.004249 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:50:51] Energy consumed for all CPUs : 0.030104 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:50:51] 0.034354 kWh of electricity used since the beginn
ing.
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[codecarbon INFO @ 20:51:06] Energy consumed for RAM : 0.004274 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:51:06] Energy consumed for all CPUs : 0.030281 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:51:06] 0.034556 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:51:21] Energy consumed for RAM : 0.004299 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:51:21] Energy consumed for all CPUs : 0.030458 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:51:21] 0.034758 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:51:36] Energy consumed for RAM : 0.004324 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:51:36] Energy consumed for all CPUs : 0.030635 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:51:36] 0.034960 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:51:51] Energy consumed for RAM : 0.004349 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:51:51] Energy consumed for all CPUs : 0.030812 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:51:51] 0.035162 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:52:06] Energy consumed for RAM : 0.004374 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:52:06] Energy consumed for all CPUs : 0.030990 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:52:06] 0.035364 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:52:21] Energy consumed for RAM : 0.004399 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:52:21] Energy consumed for all CPUs : 0.031167 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:52:21] 0.035566 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:52:36] Energy consumed for RAM : 0.004424 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:52:36] Energy consumed for all CPUs : 0.031344 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:52:36] 0.035768 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:52:51] Energy consumed for RAM : 0.004449 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:52:51] Energy consumed for all CPUs : 0.031521 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:52:51] 0.035970 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:53:06] Energy consumed for RAM : 0.004474 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:53:06] Energy consumed for all CPUs : 0.031698 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:53:06] 0.036172 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:53:21] Energy consumed for RAM : 0.004499 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:53:21] Energy consumed for all CPUs : 0.031875 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:53:21] 0.036375 kWh of electricity used since the beginn
ing.
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[codecarbon INFO @ 20:53:36] Energy consumed for RAM : 0.004524 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:53:36] Energy consumed for all CPUs : 0.032052 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:53:36] 0.036577 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:53:51] Energy consumed for RAM : 0.004549 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:53:51] Energy consumed for all CPUs : 0.032229 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:53:51] 0.036779 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:54:06] Energy consumed for RAM : 0.004574 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:54:06] Energy consumed for all CPUs : 0.032406 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:54:06] 0.036981 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:54:21] Energy consumed for RAM : 0.004599 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:54:21] Energy consumed for all CPUs : 0.032583 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:54:21] 0.037183 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:54:36] Energy consumed for RAM : 0.004624 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:54:36] Energy consumed for all CPUs : 0.032761 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:54:36] 0.037385 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:54:51] Energy consumed for RAM : 0.004649 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:54:51] Energy consumed for all CPUs : 0.032938 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:54:51] 0.037587 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:55:06] Energy consumed for RAM : 0.004674 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:55:06] Energy consumed for all CPUs : 0.033115 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:55:06] 0.037789 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:55:21] Energy consumed for RAM : 0.004699 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:55:21] Energy consumed for all CPUs : 0.033292 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:55:21] 0.037991 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:55:36] Energy consumed for RAM : 0.004724 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:55:36] Energy consumed for all CPUs : 0.033469 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:55:36] 0.038193 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:55:51] Energy consumed for RAM : 0.004749 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:55:51] Energy consumed for all CPUs : 0.033646 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:55:51] 0.038396 kWh of electricity used since the beginn
ing.
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[codecarbon INFO @ 20:56:06] Energy consumed for RAM : 0.004774 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:56:06] Energy consumed for all CPUs : 0.033823 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:56:06] 0.038598 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:56:21] Energy consumed for RAM : 0.004799 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:56:21] Energy consumed for all CPUs : 0.034000 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:56:21] 0.038800 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:56:36] Energy consumed for RAM : 0.004824 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:56:36] Energy consumed for all CPUs : 0.034177 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:56:36] 0.039002 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:56:51] Energy consumed for RAM : 0.004849 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:56:51] Energy consumed for all CPUs : 0.034355 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:56:51] 0.039204 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:57:06] Energy consumed for RAM : 0.004874 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:57:06] Energy consumed for all CPUs : 0.034532 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:57:06] 0.039406 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:57:21] Energy consumed for RAM : 0.004899 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:57:21] Energy consumed for all CPUs : 0.034709 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:57:21] 0.039608 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:57:36] Energy consumed for RAM : 0.004924 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:57:36] Energy consumed for all CPUs : 0.034886 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:57:36] 0.039810 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:57:51] Energy consumed for RAM : 0.004949 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:57:51] Energy consumed for all CPUs : 0.035063 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:57:51] 0.040012 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:58:06] Energy consumed for RAM : 0.004974 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:58:06] Energy consumed for all CPUs : 0.035240 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:58:06] 0.040214 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:58:21] Energy consumed for RAM : 0.004999 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:58:21] Energy consumed for all CPUs : 0.035417 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:58:21] 0.040417 kWh of electricity used since the beginn
ing.
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[codecarbon INFO @ 20:58:36] Energy consumed for RAM : 0.005024 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:58:36] Energy consumed for all CPUs : 0.035594 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:58:36] 0.040619 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:58:51] Energy consumed for RAM : 0.005049 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:58:51] Energy consumed for all CPUs : 0.035771 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:58:51] 0.040821 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:59:06] Energy consumed for RAM : 0.005074 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:59:06] Energy consumed for all CPUs : 0.035949 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:59:06] 0.041023 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:59:21] Energy consumed for RAM : 0.005099 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:59:21] Energy consumed for all CPUs : 0.036126 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:59:21] 0.041225 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:59:36] Energy consumed for RAM : 0.005124 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:59:36] Energy consumed for all CPUs : 0.036303 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:59:36] 0.041427 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 20:59:51] Energy consumed for RAM : 0.005149 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 20:59:51] Energy consumed for all CPUs : 0.036480 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 20:59:51] 0.041629 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 21:00:06] Energy consumed for RAM : 0.005174 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 21:00:06] Energy consumed for all CPUs : 0.036657 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 21:00:06] 0.041831 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 21:00:21] Energy consumed for RAM : 0.005199 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 21:00:21] Energy consumed for all CPUs : 0.036834 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 21:00:21] 0.042034 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 21:00:36] Energy consumed for RAM : 0.005224 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 21:00:36] Energy consumed for all CPUs : 0.037011 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 21:00:36] 0.042236 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 21:00:51] Energy consumed for RAM : 0.005249 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 21:00:51] Energy consumed for all CPUs : 0.037188 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 21:00:51] 0.042438 kWh of electricity used since the beginn
ing.
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[codecarbon INFO @ 21:01:06] Energy consumed for RAM : 0.005274 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 21:01:06] Energy consumed for all CPUs : 0.037365 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 21:01:06] 0.042640 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 21:01:21] Energy consumed for RAM : 0.005299 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 21:01:21] Energy consumed for all CPUs : 0.037543 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 21:01:21] 0.042842 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 21:01:36] Energy consumed for RAM : 0.005324 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 21:01:36] Energy consumed for all CPUs : 0.037720 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 21:01:36] 0.043044 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 21:01:51] Energy consumed for RAM : 0.005349 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 21:01:51] Energy consumed for all CPUs : 0.037897 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 21:01:51] 0.043246 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 21:02:06] Energy consumed for RAM : 0.005375 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 21:02:06] Energy consumed for all CPUs : 0.038074 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 21:02:06] 0.043449 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 21:02:21] Energy consumed for RAM : 0.005400 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 21:02:21] Energy consumed for all CPUs : 0.038251 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 21:02:21] 0.043651 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 21:02:36] Energy consumed for RAM : 0.005425 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 21:02:36] Energy consumed for all CPUs : 0.038428 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 21:02:36] 0.043853 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 21:02:51] Energy consumed for RAM : 0.005450 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 21:02:51] Energy consumed for all CPUs : 0.038605 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 21:02:51] 0.044055 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 21:03:06] Energy consumed for RAM : 0.005475 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 21:03:06] Energy consumed for all CPUs : 0.038783 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 21:03:06] 0.044257 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 21:03:21] Energy consumed for RAM : 0.005500 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 21:03:21] Energy consumed for all CPUs : 0.038960 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 21:03:21] 0.044459 kWh of electricity used since the beginn
ing.
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[codecarbon INFO @ 21:03:36] Energy consumed for RAM : 0.005525 kWh. RAM Power : 6.0 W
[codecarbon INFO @ 21:03:36] Energy consumed for all CPUs : 0.039137 kWh. Total CPU Power : 42.5 W
[codecarbon INFO @ 21:03:36] 0.044661 kWh of electricity used since the beginning.
[codecarbon INFO @ 21:03:51] Energy consumed for RAM : 0.005550 kWh. RAM Power : 6.0 W
[codecarbon INFO @ 21:03:51] Energy consumed for all CPUs : 0.039314 kWh. Total CPU Power : 42.5 W
[codecarbon INFO @ 21:03:51] 0.044863 kWh of electricity used since the beginning.
[codecarbon INFO @ 21:04:06] Energy consumed for RAM : 0.005575 kWh. RAM Power : 6.0 W
[codecarbon INFO @ 21:04:06] Energy consumed for all CPUs : 0.039491 kWh. Total CPU Power : 42.5 W
[codecarbon INFO @ 21:04:06] 0.045066 kWh of electricity used since the beginning.
[codecarbon INFO @ 21:04:21] Energy consumed for RAM : 0.005600 kWh. RAM Power : 6.0 W
[codecarbon INFO @ 21:04:21] Energy consumed for all CPUs : 0.039668 kWh. Total CPU Power : 42.5 W
[codecarbon INFO @ 21:04:21] 0.045268 kWh of electricity used since the beginning.
[codecarbon INFO @ 21:04:36] Energy consumed for RAM : 0.005625 kWh. RAM Power : 6.0 W
[codecarbon INFO @ 21:04:36] Energy consumed for all CPUs : 0.039845 kWh. Total CPU Power : 42.5 W
[codecarbon INFO @ 21:04:36] 0.045470 kWh of electricity used since the beginning.
[codecarbon INFO @ 21:04:51] Energy consumed for RAM : 0.005650 kWh. RAM Power : 6.0 W
[codecarbon INFO @ 21:04:51] Energy consumed for all CPUs : 0.040022 kWh. Total CPU Power : 42.5 W
[codecarbon INFO @ 21:04:51] 0.045672 kWh of electricity used since the beginning.
[codecarbon INFO @ 21:05:06] Energy consumed for RAM : 0.005675 kWh. RAM Power : 6.0 W
[codecarbon INFO @ 21:05:06] Energy consumed for all CPUs : 0.040200 kWh. Total CPU Power : 42.5 W
[codecarbon INFO @ 21:05:06] 0.045874 kWh of electricity used since the beginning.
[codecarbon INFO @ 21:05:21] Energy consumed for RAM : 0.005700 kWh. RAM Power : 6.0 W
[codecarbon INFO @ 21:05:21] Energy consumed for all CPUs : 0.040377 kWh. Total CPU Power : 42.5 W
[codecarbon INFO @ 21:05:21] 0.046076 kWh of electricity used since the beginning.
[codecarbon INFO @ 21:05:36] Energy consumed for RAM : 0.005724 kWh. RAM Power : 6.0 W
[codecarbon INFO @ 21:05:36] Energy consumed for all CPUs : 0.040552 kWh. Total CPU Power : 42.5 W
[codecarbon INFO @ 21:05:36] 0.046276 kWh of electricity used since the beginning.
[codecarbon WARNING @ 21:35:45] Background scheduler didn't run for a long period (1808s), results might be inaccurate
[codecarbon INFO @ 21:35:45] Energy consumed for RAM : 0.008739 kWh. RAM Power : 6.0 W
[codecarbon INFO @ 21:35:45] Energy consumed for all CPUs : 0.061907 kWh. Total CPU Power : 42.5 W

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[codecarbon INFO @ 21:35:45] 0.070646 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 21:36:00] Energy consumed for RAM : 0.008764 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 21:36:00] Energy consumed for all CPUs : 0.062084 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 21:36:00] 0.070848 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 21:36:15] Energy consumed for RAM : 0.008789 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 21:36:15] Energy consumed for all CPUs : 0.062261 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 21:36:15] 0.071050 kWh of electricity used since the beginn
ing.
[codecarbon WARNING @ 22:04:17] Background scheduler didn't run for a long per
iod (1681s), results might be inaccurate
[codecarbon INFO @ 22:04:17] Energy consumed for RAM : 0.011592 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 22:04:17] Energy consumed for all CPUs : 0.082115 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 22:04:17] 0.093707 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 22:04:32] Energy consumed for RAM : 0.011617 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 22:04:32] Energy consumed for all CPUs : 0.082294 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 22:04:32] 0.093911 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 22:04:47] Energy consumed for RAM : 0.011642 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 22:04:47] Energy consumed for all CPUs : 0.082471 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 22:04:47] 0.094113 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 22:05:02] Energy consumed for RAM : 0.011667 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 22:05:02] Energy consumed for all CPUs : 0.082648 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 22:05:02] 0.094315 kWh of electricity used since the beginn
ing.
[codecarbon WARNING @ 22:12:09] Background scheduler didn't run for a long per
iod (427s), results might be inaccurate
[codecarbon INFO @ 22:12:09] Energy consumed for RAM : 0.012379 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 22:12:09] Energy consumed for all CPUs : 0.087690 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 22:12:09] 0.100068 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 22:12:24] Energy consumed for RAM : 0.012405 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 22:12:24] Energy consumed for all CPUs : 0.087872 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 22:12:24] 0.100276 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 22:12:39] Energy consumed for RAM : 0.012430 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 22:12:39] Energy consumed for all CPUs : 0.088049 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 22:12:39] 0.100479 kWh of electricity used since the beginn
ing.
```

[codecarbon INFO @ 22:12:54] Energy consumed for RAM : 0.012455 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 22:12:54] Energy consumed for all CPUs : 0.088226 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 22:12:54] 0.100681 kWh of electricity used since the beginn
ing.
[codecarbon WARNING @ 22:28:56] Background scheduler didn't run for a long per
iod (962s), results might be inaccurate
[codecarbon INFO @ 22:28:56] Energy consumed for RAM : 0.014058 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 22:28:56] Energy consumed for all CPUs : 0.099585 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 22:28:56] 0.113643 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 22:29:11] Energy consumed for RAM : 0.014083 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 22:29:11] Energy consumed for all CPUs : 0.099762 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 22:29:11] 0.113845 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 22:29:26] Energy consumed for RAM : 0.014108 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 22:29:26] Energy consumed for all CPUs : 0.099939 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 22:29:26] 0.114047 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 22:29:41] Energy consumed for RAM : 0.014133 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 22:29:41] Energy consumed for all CPUs : 0.100116 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 22:29:41] 0.114249 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 22:29:56] Energy consumed for RAM : 0.014158 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 22:29:56] Energy consumed for all CPUs : 0.100293 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 22:29:56] 0.114451 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 22:30:11] Energy consumed for RAM : 0.014183 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 22:30:11] Energy consumed for all CPUs : 0.100470 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 22:30:11] 0.114654 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 22:30:26] Energy consumed for RAM : 0.014208 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 22:30:26] Energy consumed for all CPUs : 0.100647 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 22:30:26] 0.114856 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 22:30:41] Energy consumed for RAM : 0.014233 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 22:30:41] Energy consumed for all CPUs : 0.100824 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 22:30:41] 0.115058 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 22:30:56] Energy consumed for RAM : 0.014258 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 22:30:56] Energy consumed for all CPUs : 0.101001 kWh. Tota
l CPU Power : 42.5 W

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[codecarbon INFO @ 22:30:56] 0.115260 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 22:31:11] Energy consumed for RAM : 0.014283 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 22:31:11] Energy consumed for all CPUs : 0.101179 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 22:31:11] 0.115462 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 22:31:26] Energy consumed for RAM : 0.014308 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 22:31:26] Energy consumed for all CPUs : 0.101356 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 22:31:26] 0.115664 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 22:31:41] Energy consumed for RAM : 0.014333 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 22:31:41] Energy consumed for all CPUs : 0.101533 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 22:31:41] 0.115866 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 22:31:56] Energy consumed for RAM : 0.014358 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 22:31:56] Energy consumed for all CPUs : 0.101710 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 22:31:56] 0.116068 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 22:32:12] Energy consumed for RAM : 0.014383 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 22:32:12] Energy consumed for all CPUs : 0.101887 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 22:32:12] 0.116270 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 22:32:27] Energy consumed for RAM : 0.014408 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 22:32:27] Energy consumed for all CPUs : 0.102064 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 22:32:27] 0.116472 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 22:32:42] Energy consumed for RAM : 0.014433 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 22:32:42] Energy consumed for all CPUs : 0.102241 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 22:32:42] 0.116674 kWh of electricity used since the beginn
ing.
[codecarbon WARNING @ 22:52:46] Background scheduler didn't run for a long per
iod (1204s), results might be inaccurate
[codecarbon INFO @ 22:52:46] Energy consumed for RAM : 0.016441 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 22:52:46] Energy consumed for all CPUs : 0.116465 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 22:52:46] 0.132906 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 22:53:01] Energy consumed for RAM : 0.016466 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 22:53:01] Energy consumed for all CPUs : 0.116642 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 22:53:01] 0.133108 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 22:53:16] Energy consumed for RAM : 0.016491 kWh. RAM Power
: 6.0 W
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[codecarbon INFO @ 22:53:16] Energy consumed for all CPUs : 0.116819 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 22:53:16] 0.133310 kWh of electricity used since the beginn
ing.
[codecarbon WARNING @ 23:52:58] Background scheduler didn't run for a long per
iod (3581s), results might be inaccurate
[codecarbon INFO @ 23:52:58] Energy consumed for RAM : 0.022461 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 23:52:58] Energy consumed for all CPUs : 0.159102 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 23:52:58] 0.181563 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 23:53:13] Energy consumed for RAM : 0.022486 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 23:53:13] Energy consumed for all CPUs : 0.159279 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 23:53:13] 0.181765 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 23:53:28] Energy consumed for RAM : 0.022511 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 23:53:28] Energy consumed for all CPUs : 0.159456 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 23:53:28] 0.181966 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 23:53:43] Energy consumed for RAM : 0.022536 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 23:53:43] Energy consumed for all CPUs : 0.159633 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 23:53:43] 0.182169 kWh of electricity used since the beginn
ing.
[codecarbon WARNING @ 00:09:51] Background scheduler didn't run for a long per
iod (967s), results might be inaccurate
[codecarbon INFO @ 00:09:51] Energy consumed for RAM : 0.024148 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 00:09:51] Energy consumed for all CPUs : 0.171057 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 00:09:51] 0.195205 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 00:10:06] Energy consumed for RAM : 0.024173 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 00:10:06] Energy consumed for all CPUs : 0.171234 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 00:10:06] 0.195407 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 00:10:21] Energy consumed for RAM : 0.024198 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 00:10:21] Energy consumed for all CPUs : 0.171411 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 00:10:21] 0.195609 kWh of electricity used since the beginn
ing.
[codecarbon WARNING @ 00:56:10] Background scheduler didn't run for a long per
iod (2749s), results might be inaccurate
[codecarbon INFO @ 00:56:10] Energy consumed for RAM : 0.028780 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 00:56:10] Energy consumed for all CPUs : 0.203866 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 00:56:10] 0.232646 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 00:56:25] Energy consumed for RAM : 0.028806 kWh. RAM Power
: 6.0 W
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[codecarbon INFO @ 00:56:25] Energy consumed for all CPUs : 0.204048 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 00:56:25] 0.232853 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 00:56:40] Energy consumed for RAM : 0.028831 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 00:56:40] Energy consumed for all CPUs : 0.204225 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 00:56:40] 0.233055 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 00:56:55] Energy consumed for RAM : 0.028856 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 00:56:55] Energy consumed for all CPUs : 0.204402 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 00:56:55] 0.233257 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 00:57:10] Energy consumed for RAM : 0.028881 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 00:57:10] Energy consumed for all CPUs : 0.204579 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 00:57:10] 0.233460 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 00:57:25] Energy consumed for RAM : 0.028906 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 00:57:25] Energy consumed for all CPUs : 0.204756 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 00:57:25] 0.233662 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 00:57:40] Energy consumed for RAM : 0.028931 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 00:57:40] Energy consumed for all CPUs : 0.204933 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 00:57:40] 0.233864 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 00:57:55] Energy consumed for RAM : 0.028956 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 00:57:55] Energy consumed for all CPUs : 0.205110 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 00:57:55] 0.234066 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 00:58:10] Energy consumed for RAM : 0.028981 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 00:58:10] Energy consumed for all CPUs : 0.205287 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 00:58:10] 0.234268 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 00:58:25] Energy consumed for RAM : 0.029006 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 00:58:25] Energy consumed for all CPUs : 0.205464 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 00:58:25] 0.234470 kWh of electricity used since the beginn
ing.
[codecarbon WARNING @ 01:43:27] Background scheduler didn't run for a long per
iod (2702s), results might be inaccurate
[codecarbon INFO @ 01:43:27] Energy consumed for RAM : 0.033509 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 01:43:27] Energy consumed for all CPUs : 0.237364 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 01:43:27] 0.270873 kWh of electricity used since the beginn
ing.
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[codecarbon INFO @ 01:43:42] Energy consumed for RAM : 0.033534 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 01:43:42] Energy consumed for all CPUs : 0.237542 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 01:43:42] 0.271076 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 01:43:57] Energy consumed for RAM : 0.033559 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 01:43:57] Energy consumed for all CPUs : 0.237719 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 01:43:57] 0.271278 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 01:44:12] Energy consumed for RAM : 0.033584 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 01:44:12] Energy consumed for all CPUs : 0.237896 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 01:44:12] 0.271480 kWh of electricity used since the beginn
ing.
[codecarbon WARNING @ 03:44:21] Background scheduler didn't run for a long per
iod (7209s), results might be inaccurate
[codecarbon INFO @ 03:44:21] Energy consumed for RAM : 0.045600 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 03:44:21] Energy consumed for all CPUs : 0.323003 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 03:44:21] 0.368603 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 03:44:36] Energy consumed for RAM : 0.045625 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 03:44:36] Energy consumed for all CPUs : 0.323180 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 03:44:36] 0.368805 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 03:44:51] Energy consumed for RAM : 0.045650 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 03:44:51] Energy consumed for all CPUs : 0.323357 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 03:44:51] 0.369007 kWh of electricity used since the beginn
ing.
[codecarbon WARNING @ 04:49:46] Background scheduler didn't run for a long per
iod (3894s), results might be inaccurate
[codecarbon INFO @ 04:49:46] Energy consumed for RAM : 0.052140 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 04:49:46] Energy consumed for all CPUs : 0.369330 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 04:49:46] 0.421469 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 04:50:01] Energy consumed for RAM : 0.052165 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 04:50:01] Energy consumed for all CPUs : 0.369507 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 04:50:01] 0.421672 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 04:50:16] Energy consumed for RAM : 0.052190 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 04:50:16] Energy consumed for all CPUs : 0.369684 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 04:50:16] 0.421874 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 04:50:31] Energy consumed for RAM : 0.052215 kWh. RAM Power
: 6.0 W
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[codecarbon INFO @ 04:50:31] Energy consumed for all CPUs : 0.369861 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 04:50:31] 0.422076 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 04:50:46] Energy consumed for RAM : 0.052240 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 04:50:46] Energy consumed for all CPUs : 0.370038 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 04:50:46] 0.422278 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 04:51:01] Energy consumed for RAM : 0.052265 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 04:51:01] Energy consumed for all CPUs : 0.370215 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 04:51:01] 0.422480 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 04:51:16] Energy consumed for RAM : 0.052290 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 04:51:16] Energy consumed for all CPUs : 0.370392 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 04:51:16] 0.422682 kWh of electricity used since the beginn
ing.
[codecarbon WARNING @ 05:08:19] Background scheduler didn't run for a long per
iod (1023s), results might be inaccurate
[codecarbon INFO @ 05:08:19] Energy consumed for RAM : 0.053995 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 05:08:19] Energy consumed for all CPUs : 0.382471 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 05:08:19] 0.436466 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 05:08:34] Energy consumed for RAM : 0.054020 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 05:08:34] Energy consumed for all CPUs : 0.382648 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 05:08:34] 0.436668 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 05:08:49] Energy consumed for RAM : 0.054045 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 05:08:49] Energy consumed for all CPUs : 0.382825 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 05:08:49] 0.436870 kWh of electricity used since the beginn
ing.
[codecarbon WARNING @ 05:26:34] Background scheduler didn't run for a long per
iod (1065s), results might be inaccurate
[codecarbon INFO @ 05:26:34] Energy consumed for RAM : 0.055821 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 05:26:34] Energy consumed for all CPUs : 0.395405 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 05:26:34] 0.451226 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 05:26:49] Energy consumed for RAM : 0.055846 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 05:26:49] Energy consumed for all CPUs : 0.395582 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 05:26:49] 0.451428 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 05:27:04] Energy consumed for RAM : 0.055871 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 05:27:04] Energy consumed for all CPUs : 0.395759 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 05:27:04] 0.451630 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 05:27:19] Energy consumed for RAM : 0.055896 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 05:27:19] Energy consumed for all CPUs : 0.395936 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 05:27:19] 0.451832 kWh of electricity used since the beginn
ing.
[codecarbon WARNING @ 06:30:13] Background scheduler didn't run for a long per
iod (3773s), results might be inaccurate
[codecarbon INFO @ 06:30:13] Energy consumed for RAM : 0.062185 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 06:30:13] Energy consumed for all CPUs : 0.440487 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 06:30:13] 0.502672 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 06:30:28] Energy consumed for RAM : 0.062210 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 06:30:28] Energy consumed for all CPUs : 0.440664 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 06:30:28] 0.502875 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 06:30:43] Energy consumed for RAM : 0.062235 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 06:30:43] Energy consumed for all CPUs : 0.440841 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 06:30:43] 0.503076 kWh of electricity used since the beginn
ing.
[codecarbon WARNING @ 07:31:53] Background scheduler didn't run for a long per
iod (3670s), results might be inaccurate
[codecarbon INFO @ 07:31:53] Energy consumed for RAM : 0.068352 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 07:31:53] Energy consumed for all CPUs : 0.484169 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 07:31:53] 0.552522 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 07:32:08] Energy consumed for RAM : 0.068377 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 07:32:08] Energy consumed for all CPUs : 0.484347 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 07:32:08] 0.552724 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 07:32:23] Energy consumed for RAM : 0.068402 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 07:32:23] Energy consumed for all CPUs : 0.484524 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 07:32:23] 0.552926 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 07:32:38] Energy consumed for RAM : 0.068427 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 07:32:38] Energy consumed for all CPUs : 0.484701 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 07:32:38] 0.553128 kWh of electricity used since the beginn
ing.
[codecarbon WARNING @ 08:37:22] Background scheduler didn't run for a long per
iod (3883s), results might be inaccurate
[codecarbon INFO @ 08:37:22] Energy consumed for RAM : 0.074900 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:37:22] Energy consumed for all CPUs : 0.530545 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 08:37:22] 0.605445 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:37:37] Energy consumed for RAM : 0.074924 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:37:37] Energy consumed for all CPUs : 0.530720 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:37:37] 0.605644 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:37:52] Energy consumed for RAM : 0.074949 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:37:52] Energy consumed for all CPUs : 0.530897 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:37:52] 0.605847 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:38:07] Energy consumed for RAM : 0.074974 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:38:07] Energy consumed for all CPUs : 0.531074 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:38:07] 0.606048 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:38:22] Energy consumed for RAM : 0.074999 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:38:22] Energy consumed for all CPUs : 0.531251 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:38:22] 0.606250 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:38:37] Energy consumed for RAM : 0.075024 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:38:37] Energy consumed for all CPUs : 0.531428 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:38:37] 0.606452 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:38:52] Energy consumed for RAM : 0.075049 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:38:52] Energy consumed for all CPUs : 0.531605 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:38:52] 0.606655 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:39:07] Energy consumed for RAM : 0.075074 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:39:07] Energy consumed for all CPUs : 0.531782 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:39:07] 0.606857 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:39:22] Energy consumed for RAM : 0.075099 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:39:22] Energy consumed for all CPUs : 0.531960 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:39:22] 0.607059 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:39:37] Energy consumed for RAM : 0.075124 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:39:37] Energy consumed for all CPUs : 0.532137 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:39:37] 0.607261 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:39:52] Energy consumed for RAM : 0.075149 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:39:52] Energy consumed for all CPUs : 0.532314 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 08:39:52] 0.607463 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:40:07] Energy consumed for RAM : 0.075174 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:40:07] Energy consumed for all CPUs : 0.532491 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:40:07] 0.607665 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:40:22] Energy consumed for RAM : 0.075199 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:40:22] Energy consumed for all CPUs : 0.532668 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:40:22] 0.607867 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:40:37] Energy consumed for RAM : 0.075224 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:40:37] Energy consumed for all CPUs : 0.532845 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:40:37] 0.608069 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:40:52] Energy consumed for RAM : 0.075249 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:40:52] Energy consumed for all CPUs : 0.533022 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:40:52] 0.608271 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:41:07] Energy consumed for RAM : 0.075274 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:41:07] Energy consumed for all CPUs : 0.533199 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:41:07] 0.608473 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:41:22] Energy consumed for RAM : 0.075299 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:41:22] Energy consumed for all CPUs : 0.533376 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:41:22] 0.608675 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:41:37] Energy consumed for RAM : 0.075324 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:41:37] Energy consumed for all CPUs : 0.533553 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:41:37] 0.608877 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:41:52] Energy consumed for RAM : 0.075349 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:41:52] Energy consumed for all CPUs : 0.533730 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:41:52] 0.609080 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:42:07] Energy consumed for RAM : 0.075374 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:42:07] Energy consumed for all CPUs : 0.533907 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:42:07] 0.609282 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:42:22] Energy consumed for RAM : 0.075399 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:42:22] Energy consumed for all CPUs : 0.534085 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 08:42:22] 0.609484 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:42:37] Energy consumed for RAM : 0.075424 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:42:37] Energy consumed for all CPUs : 0.534262 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:42:37] 0.609686 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:42:52] Energy consumed for RAM : 0.075449 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:42:52] Energy consumed for all CPUs : 0.534439 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:42:52] 0.609888 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:43:07] Energy consumed for RAM : 0.075474 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:43:07] Energy consumed for all CPUs : 0.534616 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:43:07] 0.610090 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:43:22] Energy consumed for RAM : 0.075499 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:43:22] Energy consumed for all CPUs : 0.534793 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:43:22] 0.610292 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:43:37] Energy consumed for RAM : 0.075524 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:43:37] Energy consumed for all CPUs : 0.534970 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:43:37] 0.610494 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:43:52] Energy consumed for RAM : 0.075549 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:43:52] Energy consumed for all CPUs : 0.535147 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:43:52] 0.610696 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:44:07] Energy consumed for RAM : 0.075574 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:44:07] Energy consumed for all CPUs : 0.535324 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:44:07] 0.610898 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:44:22] Energy consumed for RAM : 0.075599 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:44:22] Energy consumed for all CPUs : 0.535501 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:44:22] 0.611101 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:44:37] Energy consumed for RAM : 0.075624 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:44:37] Energy consumed for all CPUs : 0.535679 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:44:37] 0.611303 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:44:52] Energy consumed for RAM : 0.075649 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:44:52] Energy consumed for all CPUs : 0.535856 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 08:44:52] 0.611505 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:45:07] Energy consumed for RAM : 0.075674 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:45:07] Energy consumed for all CPUs : 0.536033 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:45:07] 0.611707 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:45:22] Energy consumed for RAM : 0.075699 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:45:22] Energy consumed for all CPUs : 0.536210 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:45:22] 0.611909 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:45:37] Energy consumed for RAM : 0.075724 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:45:37] Energy consumed for all CPUs : 0.536387 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:45:37] 0.612111 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:45:52] Energy consumed for RAM : 0.075749 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:45:52] Energy consumed for all CPUs : 0.536564 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:45:52] 0.612313 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:46:07] Energy consumed for RAM : 0.075774 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:46:07] Energy consumed for all CPUs : 0.536741 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:46:07] 0.612516 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:46:22] Energy consumed for RAM : 0.075799 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:46:22] Energy consumed for all CPUs : 0.536918 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:46:22] 0.612718 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:46:37] Energy consumed for RAM : 0.075824 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:46:37] Energy consumed for all CPUs : 0.537095 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:46:37] 0.612919 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:46:52] Energy consumed for RAM : 0.075849 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:46:52] Energy consumed for all CPUs : 0.537272 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:46:52] 0.613121 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:47:07] Energy consumed for RAM : 0.075874 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:47:07] Energy consumed for all CPUs : 0.537449 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:47:07] 0.613323 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:47:22] Energy consumed for RAM : 0.075899 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:47:22] Energy consumed for all CPUs : 0.537626 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 08:47:22] 0.613525 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:47:37] Energy consumed for RAM : 0.075924 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:47:37] Energy consumed for all CPUs : 0.537803 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:47:37] 0.613727 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:47:52] Energy consumed for RAM : 0.075949 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:47:52] Energy consumed for all CPUs : 0.537980 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:47:52] 0.613929 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:48:07] Energy consumed for RAM : 0.075974 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:48:07] Energy consumed for all CPUs : 0.538157 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:48:07] 0.614131 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:48:22] Energy consumed for RAM : 0.075999 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:48:22] Energy consumed for all CPUs : 0.538334 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:48:22] 0.614333 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:48:37] Energy consumed for RAM : 0.076024 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:48:37] Energy consumed for all CPUs : 0.538512 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:48:37] 0.614536 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:48:52] Energy consumed for RAM : 0.076049 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:48:52] Energy consumed for all CPUs : 0.538689 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:48:52] 0.614738 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:49:07] Energy consumed for RAM : 0.076074 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:49:07] Energy consumed for all CPUs : 0.538866 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:49:07] 0.614940 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:49:22] Energy consumed for RAM : 0.076099 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:49:22] Energy consumed for all CPUs : 0.539043 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:49:22] 0.615142 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:49:37] Energy consumed for RAM : 0.076124 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:49:37] Energy consumed for all CPUs : 0.539220 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:49:37] 0.615344 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:49:52] Energy consumed for RAM : 0.076149 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:49:52] Energy consumed for all CPUs : 0.539397 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 08:49:52] 0.615546 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:50:07] Energy consumed for RAM : 0.076174 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:50:07] Energy consumed for all CPUs : 0.539574 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:50:07] 0.615748 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:50:22] Energy consumed for RAM : 0.076199 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:50:22] Energy consumed for all CPUs : 0.539751 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:50:22] 0.615950 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:50:37] Energy consumed for RAM : 0.076224 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:50:37] Energy consumed for all CPUs : 0.539928 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:50:37] 0.616152 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:50:52] Energy consumed for RAM : 0.076249 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:50:52] Energy consumed for all CPUs : 0.540105 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:50:52] 0.616354 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:51:07] Energy consumed for RAM : 0.076274 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:51:07] Energy consumed for all CPUs : 0.540282 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:51:07] 0.616557 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:51:22] Energy consumed for RAM : 0.076299 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:51:22] Energy consumed for all CPUs : 0.540460 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:51:22] 0.616759 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:51:37] Energy consumed for RAM : 0.076324 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:51:37] Energy consumed for all CPUs : 0.540637 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:51:37] 0.616961 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:51:52] Energy consumed for RAM : 0.076349 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:51:52] Energy consumed for all CPUs : 0.540814 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:51:52] 0.617163 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:52:07] Energy consumed for RAM : 0.076374 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:52:07] Energy consumed for all CPUs : 0.540991 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:52:07] 0.617365 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:52:22] Energy consumed for RAM : 0.076399 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:52:22] Energy consumed for all CPUs : 0.541168 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 08:52:22] 0.617567 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:52:37] Energy consumed for RAM : 0.076424 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:52:37] Energy consumed for all CPUs : 0.541345 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:52:37] 0.617769 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:52:52] Energy consumed for RAM : 0.076449 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:52:52] Energy consumed for all CPUs : 0.541522 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:52:52] 0.617971 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:53:07] Energy consumed for RAM : 0.076474 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:53:07] Energy consumed for all CPUs : 0.541699 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:53:07] 0.618173 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:53:22] Energy consumed for RAM : 0.076499 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:53:22] Energy consumed for all CPUs : 0.541876 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:53:22] 0.618375 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:53:37] Energy consumed for RAM : 0.076524 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:53:37] Energy consumed for all CPUs : 0.542053 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:53:37] 0.618577 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:53:52] Energy consumed for RAM : 0.076549 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:53:52] Energy consumed for all CPUs : 0.542230 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:53:52] 0.618779 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:54:07] Energy consumed for RAM : 0.076574 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:54:07] Energy consumed for all CPUs : 0.542408 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:54:07] 0.618982 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:54:22] Energy consumed for RAM : 0.076599 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:54:22] Energy consumed for all CPUs : 0.542585 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:54:22] 0.619184 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:54:37] Energy consumed for RAM : 0.076624 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:54:37] Energy consumed for all CPUs : 0.542762 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:54:37] 0.619386 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:54:52] Energy consumed for RAM : 0.076649 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:54:52] Energy consumed for all CPUs : 0.542939 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 08:54:52] 0.619588 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:55:07] Energy consumed for RAM : 0.076674 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:55:07] Energy consumed for all CPUs : 0.543116 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:55:07] 0.619790 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:55:22] Energy consumed for RAM : 0.076699 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:55:22] Energy consumed for all CPUs : 0.543293 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:55:22] 0.619992 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:55:37] Energy consumed for RAM : 0.076724 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:55:37] Energy consumed for all CPUs : 0.543470 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:55:37] 0.620194 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:55:52] Energy consumed for RAM : 0.076749 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:55:52] Energy consumed for all CPUs : 0.543647 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:55:52] 0.620396 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:56:07] Energy consumed for RAM : 0.076774 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:56:07] Energy consumed for all CPUs : 0.543824 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:56:07] 0.620598 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:56:22] Energy consumed for RAM : 0.076799 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:56:22] Energy consumed for all CPUs : 0.544001 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:56:22] 0.620800 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:56:37] Energy consumed for RAM : 0.076824 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:56:37] Energy consumed for all CPUs : 0.544179 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:56:37] 0.621003 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:56:52] Energy consumed for RAM : 0.076849 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:56:52] Energy consumed for all CPUs : 0.544356 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:56:52] 0.621205 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:57:07] Energy consumed for RAM : 0.076874 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:57:07] Energy consumed for all CPUs : 0.544532 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:57:07] 0.621406 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:57:22] Energy consumed for RAM : 0.076899 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:57:22] Energy consumed for all CPUs : 0.544709 kWh. Tota
l CPU Power : 42.5 W
```

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[codecarbon INFO @ 08:57:22] 0.621608 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:57:37] Energy consumed for RAM : 0.076924 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:57:37] Energy consumed for all CPUs : 0.544886 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:57:37] 0.621810 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:57:52] Energy consumed for RAM : 0.076949 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:57:52] Energy consumed for all CPUs : 0.545063 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:57:52] 0.622012 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:58:07] Energy consumed for RAM : 0.076974 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:58:07] Energy consumed for all CPUs : 0.545241 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:58:07] 0.622215 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:58:22] Energy consumed for RAM : 0.076999 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:58:22] Energy consumed for all CPUs : 0.545418 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:58:22] 0.622417 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:58:37] Energy consumed for RAM : 0.077024 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:58:37] Energy consumed for all CPUs : 0.545595 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:58:37] 0.622619 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:58:52] Energy consumed for RAM : 0.077049 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:58:52] Energy consumed for all CPUs : 0.545772 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:58:52] 0.622821 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:59:07] Energy consumed for RAM : 0.077074 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:59:07] Energy consumed for all CPUs : 0.545949 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:59:07] 0.623023 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:59:22] Energy consumed for RAM : 0.077099 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:59:22] Energy consumed for all CPUs : 0.546126 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:59:22] 0.623225 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:59:37] Energy consumed for RAM : 0.077124 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:59:37] Energy consumed for all CPUs : 0.546304 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 08:59:37] 0.623428 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 08:59:52] Energy consumed for RAM : 0.077149 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 08:59:52] Energy consumed for all CPUs : 0.546481 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 08:59:52] 0.623630 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:00:07] Energy consumed for RAM : 0.077174 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:00:07] Energy consumed for all CPUs : 0.546658 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:00:07] 0.623832 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:00:22] Energy consumed for RAM : 0.077199 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:00:22] Energy consumed for all CPUs : 0.546835 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:00:22] 0.624034 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:00:37] Energy consumed for RAM : 0.077224 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:00:37] Energy consumed for all CPUs : 0.547012 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:00:37] 0.624236 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:00:52] Energy consumed for RAM : 0.077249 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:00:52] Energy consumed for all CPUs : 0.547189 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:00:52] 0.624438 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:01:07] Energy consumed for RAM : 0.077274 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:01:07] Energy consumed for all CPUs : 0.547366 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:01:07] 0.624640 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:01:22] Energy consumed for RAM : 0.077299 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:01:22] Energy consumed for all CPUs : 0.547543 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:01:22] 0.624842 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:01:37] Energy consumed for RAM : 0.077324 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:01:37] Energy consumed for all CPUs : 0.547720 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:01:37] 0.625044 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:01:52] Energy consumed for RAM : 0.077349 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:01:52] Energy consumed for all CPUs : 0.547898 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:01:52] 0.625247 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:02:07] Energy consumed for RAM : 0.077374 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:02:07] Energy consumed for all CPUs : 0.548075 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:02:07] 0.625449 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:02:22] Energy consumed for RAM : 0.077399 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:02:22] Energy consumed for all CPUs : 0.548252 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 09:02:22] 0.625651 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:02:37] Energy consumed for RAM : 0.077424 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:02:37] Energy consumed for all CPUs : 0.548429 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:02:37] 0.625853 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:02:52] Energy consumed for RAM : 0.077449 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:02:52] Energy consumed for all CPUs : 0.548606 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:02:52] 0.626055 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:03:07] Energy consumed for RAM : 0.077474 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:03:07] Energy consumed for all CPUs : 0.548783 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:03:07] 0.626257 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:03:22] Energy consumed for RAM : 0.077499 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:03:22] Energy consumed for all CPUs : 0.548960 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:03:22] 0.626459 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:03:37] Energy consumed for RAM : 0.077524 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:03:37] Energy consumed for all CPUs : 0.549137 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:03:37] 0.626661 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:03:52] Energy consumed for RAM : 0.077549 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:03:52] Energy consumed for all CPUs : 0.549314 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:03:52] 0.626863 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:04:07] Energy consumed for RAM : 0.077574 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:04:07] Energy consumed for all CPUs : 0.549491 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:04:07] 0.627065 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:04:22] Energy consumed for RAM : 0.077599 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:04:22] Energy consumed for all CPUs : 0.549669 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:04:22] 0.627268 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:04:37] Energy consumed for RAM : 0.077624 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:04:37] Energy consumed for all CPUs : 0.549845 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:04:37] 0.627469 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:04:52] Energy consumed for RAM : 0.077649 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:04:52] Energy consumed for all CPUs : 0.550023 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 09:04:52] 0.627672 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:05:07] Energy consumed for RAM : 0.077674 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:05:07] Energy consumed for all CPUs : 0.550200 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:05:07] 0.627874 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:05:22] Energy consumed for RAM : 0.077699 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:05:22] Energy consumed for all CPUs : 0.550377 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:05:22] 0.628076 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:05:37] Energy consumed for RAM : 0.077724 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:05:37] Energy consumed for all CPUs : 0.550554 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:05:37] 0.628278 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:05:52] Energy consumed for RAM : 0.077749 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:05:52] Energy consumed for all CPUs : 0.550731 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:05:52] 0.628480 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:06:07] Energy consumed for RAM : 0.077774 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:06:07] Energy consumed for all CPUs : 0.550908 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:06:07] 0.628682 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:06:22] Energy consumed for RAM : 0.077799 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:06:22] Energy consumed for all CPUs : 0.551085 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:06:22] 0.628884 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:06:37] Energy consumed for RAM : 0.077824 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:06:37] Energy consumed for all CPUs : 0.551262 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:06:37] 0.629086 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:06:52] Energy consumed for RAM : 0.077849 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:06:52] Energy consumed for all CPUs : 0.551439 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:06:52] 0.629288 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:07:07] Energy consumed for RAM : 0.077874 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:07:07] Energy consumed for all CPUs : 0.551616 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:07:07] 0.629490 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:07:22] Energy consumed for RAM : 0.077899 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:07:22] Energy consumed for all CPUs : 0.551794 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 09:07:22] 0.629693 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:07:37] Energy consumed for RAM : 0.077924 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:07:37] Energy consumed for all CPUs : 0.551971 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:07:37] 0.629895 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:07:52] Energy consumed for RAM : 0.077949 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:07:52] Energy consumed for all CPUs : 0.552148 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:07:52] 0.630097 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:08:07] Energy consumed for RAM : 0.077974 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:08:07] Energy consumed for all CPUs : 0.552325 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:08:07] 0.630299 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:08:22] Energy consumed for RAM : 0.077999 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:08:22] Energy consumed for all CPUs : 0.552502 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:08:22] 0.630501 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:08:37] Energy consumed for RAM : 0.078024 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:08:37] Energy consumed for all CPUs : 0.552679 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:08:37] 0.630703 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:08:52] Energy consumed for RAM : 0.078049 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:08:52] Energy consumed for all CPUs : 0.552856 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:08:52] 0.630905 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:09:07] Energy consumed for RAM : 0.078074 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:09:07] Energy consumed for all CPUs : 0.553033 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:09:07] 0.631108 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:09:22] Energy consumed for RAM : 0.078099 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:09:22] Energy consumed for all CPUs : 0.553211 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:09:22] 0.631310 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:09:37] Energy consumed for RAM : 0.078124 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:09:37] Energy consumed for all CPUs : 0.553388 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:09:37] 0.631512 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:09:52] Energy consumed for RAM : 0.078149 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:09:52] Energy consumed for all CPUs : 0.553565 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 09:09:52] 0.631714 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:10:07] Energy consumed for RAM : 0.078174 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:10:07] Energy consumed for all CPUs : 0.553742 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:10:07] 0.631916 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:10:22] Energy consumed for RAM : 0.078199 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:10:22] Energy consumed for all CPUs : 0.553919 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:10:22] 0.632118 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:10:37] Energy consumed for RAM : 0.078224 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:10:37] Energy consumed for all CPUs : 0.554096 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:10:37] 0.632320 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:10:52] Energy consumed for RAM : 0.078249 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:10:52] Energy consumed for all CPUs : 0.554273 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:10:52] 0.632522 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:11:07] Energy consumed for RAM : 0.078274 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:11:07] Energy consumed for all CPUs : 0.554450 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:11:07] 0.632724 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:11:22] Energy consumed for RAM : 0.078299 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:11:22] Energy consumed for all CPUs : 0.554627 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:11:22] 0.632927 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:11:37] Energy consumed for RAM : 0.078324 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:11:37] Energy consumed for all CPUs : 0.554805 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:11:37] 0.633129 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:11:52] Energy consumed for RAM : 0.078349 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:11:52] Energy consumed for all CPUs : 0.554982 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:11:52] 0.633331 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:12:07] Energy consumed for RAM : 0.078374 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:12:07] Energy consumed for all CPUs : 0.555159 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:12:07] 0.633533 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:12:22] Energy consumed for RAM : 0.078399 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:12:22] Energy consumed for all CPUs : 0.555336 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 09:12:22] 0.633735 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:12:37] Energy consumed for RAM : 0.078424 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:12:37] Energy consumed for all CPUs : 0.555513 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:12:37] 0.633937 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:12:52] Energy consumed for RAM : 0.078449 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:12:52] Energy consumed for all CPUs : 0.555690 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:12:52] 0.634139 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:13:07] Energy consumed for RAM : 0.078474 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:13:07] Energy consumed for all CPUs : 0.555867 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:13:07] 0.634342 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:13:22] Energy consumed for RAM : 0.078499 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:13:22] Energy consumed for all CPUs : 0.556045 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:13:22] 0.634544 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:13:37] Energy consumed for RAM : 0.078524 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:13:37] Energy consumed for all CPUs : 0.556222 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:13:37] 0.634746 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:13:52] Energy consumed for RAM : 0.078549 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:13:52] Energy consumed for all CPUs : 0.556399 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:13:52] 0.634948 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:14:07] Energy consumed for RAM : 0.078574 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:14:07] Energy consumed for all CPUs : 0.556576 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:14:07] 0.635150 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:14:22] Energy consumed for RAM : 0.078599 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:14:22] Energy consumed for all CPUs : 0.556753 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:14:22] 0.635352 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:14:37] Energy consumed for RAM : 0.078624 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:14:37] Energy consumed for all CPUs : 0.556930 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:14:37] 0.635554 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:14:52] Energy consumed for RAM : 0.078649 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:14:52] Energy consumed for all CPUs : 0.557107 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 09:14:52] 0.635757 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:15:07] Energy consumed for RAM : 0.078674 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:15:07] Energy consumed for all CPUs : 0.557285 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:15:07] 0.635959 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:15:22] Energy consumed for RAM : 0.078699 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:15:22] Energy consumed for all CPUs : 0.557461 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:15:22] 0.636161 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:15:37] Energy consumed for RAM : 0.078724 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:15:37] Energy consumed for all CPUs : 0.557639 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:15:37] 0.636363 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:15:52] Energy consumed for RAM : 0.078749 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:15:52] Energy consumed for all CPUs : 0.557816 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:15:52] 0.636565 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:16:07] Energy consumed for RAM : 0.078774 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:16:07] Energy consumed for all CPUs : 0.557993 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:16:07] 0.636767 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:16:22] Energy consumed for RAM : 0.078799 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:16:22] Energy consumed for all CPUs : 0.558170 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:16:22] 0.636969 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:16:37] Energy consumed for RAM : 0.078824 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:16:37] Energy consumed for all CPUs : 0.558347 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:16:37] 0.637171 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:16:52] Energy consumed for RAM : 0.078849 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:16:52] Energy consumed for all CPUs : 0.558524 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:16:52] 0.637373 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:17:07] Energy consumed for RAM : 0.078874 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:17:07] Energy consumed for all CPUs : 0.558701 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:17:07] 0.637575 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:17:22] Energy consumed for RAM : 0.078899 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:17:22] Energy consumed for all CPUs : 0.558878 kWh. Tota
l CPU Power : 42.5 W
```

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[codecarbon INFO @ 09:17:22] 0.637777 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:17:37] Energy consumed for RAM : 0.078924 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:17:37] Energy consumed for all CPUs : 0.559056 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:17:37] 0.637980 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:17:52] Energy consumed for RAM : 0.078949 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:17:52] Energy consumed for all CPUs : 0.559232 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:17:52] 0.638182 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:18:07] Energy consumed for RAM : 0.078974 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:18:07] Energy consumed for all CPUs : 0.559410 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:18:07] 0.638384 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:18:22] Energy consumed for RAM : 0.078999 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:18:22] Energy consumed for all CPUs : 0.559587 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:18:22] 0.638586 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:18:37] Energy consumed for RAM : 0.079024 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:18:37] Energy consumed for all CPUs : 0.559764 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:18:37] 0.638788 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:18:52] Energy consumed for RAM : 0.079049 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:18:52] Energy consumed for all CPUs : 0.559941 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:18:52] 0.638990 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:19:07] Energy consumed for RAM : 0.079074 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:19:07] Energy consumed for all CPUs : 0.560118 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:19:07] 0.639192 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:19:22] Energy consumed for RAM : 0.079099 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:19:22] Energy consumed for all CPUs : 0.560295 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:19:22] 0.639394 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:19:37] Energy consumed for RAM : 0.079124 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:19:37] Energy consumed for all CPUs : 0.560472 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:19:37] 0.639596 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:19:52] Energy consumed for RAM : 0.079149 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:19:52] Energy consumed for all CPUs : 0.560649 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 09:19:52] 0.639798 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:20:07] Energy consumed for RAM : 0.079174 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:20:07] Energy consumed for all CPUs : 0.560827 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:20:07] 0.640001 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:20:22] Energy consumed for RAM : 0.079199 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:20:22] Energy consumed for all CPUs : 0.561004 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:20:22] 0.640203 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:20:37] Energy consumed for RAM : 0.079224 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:20:37] Energy consumed for all CPUs : 0.561181 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:20:37] 0.640405 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:20:52] Energy consumed for RAM : 0.079249 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:20:52] Energy consumed for all CPUs : 0.561358 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:20:52] 0.640607 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:21:07] Energy consumed for RAM : 0.079274 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:21:07] Energy consumed for all CPUs : 0.561535 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:21:07] 0.640809 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:21:22] Energy consumed for RAM : 0.079299 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:21:22] Energy consumed for all CPUs : 0.561712 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:21:22] 0.641011 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:21:37] Energy consumed for RAM : 0.079324 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:21:37] Energy consumed for all CPUs : 0.561889 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:21:37] 0.641214 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:21:52] Energy consumed for RAM : 0.079349 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:21:52] Energy consumed for all CPUs : 0.562067 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:21:52] 0.641416 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:22:07] Energy consumed for RAM : 0.079374 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:22:07] Energy consumed for all CPUs : 0.562244 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:22:07] 0.641618 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:22:22] Energy consumed for RAM : 0.079399 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:22:22] Energy consumed for all CPUs : 0.562421 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 09:22:22] 0.641820 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:22:37] Energy consumed for RAM : 0.079424 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:22:37] Energy consumed for all CPUs : 0.562598 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:22:37] 0.642022 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:22:53] Energy consumed for RAM : 0.079449 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:22:53] Energy consumed for all CPUs : 0.562775 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:22:53] 0.642224 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:23:08] Energy consumed for RAM : 0.079474 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:23:08] Energy consumed for all CPUs : 0.562952 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:23:08] 0.642426 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:23:23] Energy consumed for RAM : 0.079499 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:23:23] Energy consumed for all CPUs : 0.563129 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:23:23] 0.642628 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:23:38] Energy consumed for RAM : 0.079524 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:23:38] Energy consumed for all CPUs : 0.563306 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:23:38] 0.642830 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:23:53] Energy consumed for RAM : 0.079549 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:23:53] Energy consumed for all CPUs : 0.563483 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:23:53] 0.643032 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:24:08] Energy consumed for RAM : 0.079574 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:24:08] Energy consumed for all CPUs : 0.563660 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:24:08] 0.643235 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:24:23] Energy consumed for RAM : 0.079599 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:24:23] Energy consumed for all CPUs : 0.563838 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:24:23] 0.643437 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:24:38] Energy consumed for RAM : 0.079624 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:24:38] Energy consumed for all CPUs : 0.564015 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:24:38] 0.643639 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:24:53] Energy consumed for RAM : 0.079649 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:24:53] Energy consumed for all CPUs : 0.564192 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 09:24:53] 0.643841 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:25:08] Energy consumed for RAM : 0.079674 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:25:08] Energy consumed for all CPUs : 0.564369 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:25:08] 0.644043 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:25:23] Energy consumed for RAM : 0.079699 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:25:23] Energy consumed for all CPUs : 0.564546 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:25:23] 0.644245 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:25:38] Energy consumed for RAM : 0.079724 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:25:38] Energy consumed for all CPUs : 0.564723 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:25:38] 0.644447 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:25:53] Energy consumed for RAM : 0.079749 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:25:53] Energy consumed for all CPUs : 0.564900 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:25:53] 0.644649 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:26:08] Energy consumed for RAM : 0.079774 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:26:08] Energy consumed for all CPUs : 0.565077 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:26:08] 0.644851 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:26:23] Energy consumed for RAM : 0.079799 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:26:23] Energy consumed for all CPUs : 0.565254 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:26:23] 0.645053 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:26:38] Energy consumed for RAM : 0.079824 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:26:38] Energy consumed for all CPUs : 0.565431 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:26:38] 0.645255 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:26:53] Energy consumed for RAM : 0.079849 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:26:53] Energy consumed for all CPUs : 0.565608 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:26:53] 0.645457 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:27:08] Energy consumed for RAM : 0.079874 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:27:08] Energy consumed for all CPUs : 0.565785 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:27:08] 0.645659 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:27:23] Energy consumed for RAM : 0.079899 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:27:23] Energy consumed for all CPUs : 0.565962 kWh. Tota
l CPU Power : 42.5 W
```

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[codecarbon INFO @ 09:27:23] 0.645861 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:27:38] Energy consumed for RAM : 0.079924 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:27:38] Energy consumed for all CPUs : 0.566139 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:27:38] 0.646063 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:27:53] Energy consumed for RAM : 0.079949 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:27:53] Energy consumed for all CPUs : 0.566316 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:27:53] 0.646266 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:28:08] Energy consumed for RAM : 0.079974 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:28:08] Energy consumed for all CPUs : 0.566493 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:28:08] 0.646467 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:28:23] Energy consumed for RAM : 0.079999 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:28:23] Energy consumed for all CPUs : 0.566670 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:28:23] 0.646669 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:28:38] Energy consumed for RAM : 0.080024 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:28:38] Energy consumed for all CPUs : 0.566847 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:28:38] 0.646871 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:28:53] Energy consumed for RAM : 0.080049 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:28:53] Energy consumed for all CPUs : 0.567025 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:28:53] 0.647074 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:29:08] Energy consumed for RAM : 0.080074 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:29:08] Energy consumed for all CPUs : 0.567202 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:29:08] 0.647276 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:29:23] Energy consumed for RAM : 0.080099 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:29:23] Energy consumed for all CPUs : 0.567379 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:29:23] 0.647478 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:29:38] Energy consumed for RAM : 0.080124 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:29:38] Energy consumed for all CPUs : 0.567556 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:29:38] 0.647680 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:29:53] Energy consumed for RAM : 0.080149 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:29:53] Energy consumed for all CPUs : 0.567733 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 09:29:53] 0.647882 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:30:08] Energy consumed for RAM : 0.080174 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:30:08] Energy consumed for all CPUs : 0.567910 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:30:08] 0.648084 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:30:23] Energy consumed for RAM : 0.080199 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:30:23] Energy consumed for all CPUs : 0.568087 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:30:23] 0.648286 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:30:38] Energy consumed for RAM : 0.080224 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:30:38] Energy consumed for all CPUs : 0.568264 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:30:38] 0.648488 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:30:53] Energy consumed for RAM : 0.080249 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:30:53] Energy consumed for all CPUs : 0.568441 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:30:53] 0.648690 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:31:08] Energy consumed for RAM : 0.080274 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:31:08] Energy consumed for all CPUs : 0.568619 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:31:08] 0.648893 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:31:23] Energy consumed for RAM : 0.080299 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:31:23] Energy consumed for all CPUs : 0.568796 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:31:23] 0.649095 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:31:38] Energy consumed for RAM : 0.080324 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:31:38] Energy consumed for all CPUs : 0.568973 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:31:38] 0.649297 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:31:53] Energy consumed for RAM : 0.080349 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:31:53] Energy consumed for all CPUs : 0.569150 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:31:53] 0.649499 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:32:08] Energy consumed for RAM : 0.080374 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:32:08] Energy consumed for all CPUs : 0.569327 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:32:08] 0.649701 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:32:23] Energy consumed for RAM : 0.080399 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:32:23] Energy consumed for all CPUs : 0.569504 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 09:32:23] 0.649903 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:32:38] Energy consumed for RAM : 0.080424 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:32:38] Energy consumed for all CPUs : 0.569681 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:32:38] 0.650105 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:32:53] Energy consumed for RAM : 0.080449 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:32:53] Energy consumed for all CPUs : 0.569858 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:32:53] 0.650307 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:33:08] Energy consumed for RAM : 0.080474 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:33:08] Energy consumed for all CPUs : 0.570035 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:33:08] 0.650509 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:33:23] Energy consumed for RAM : 0.080499 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:33:23] Energy consumed for all CPUs : 0.570212 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:33:23] 0.650711 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:33:38] Energy consumed for RAM : 0.080524 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:33:38] Energy consumed for all CPUs : 0.570389 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:33:38] 0.650913 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:33:53] Energy consumed for RAM : 0.080549 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:33:53] Energy consumed for all CPUs : 0.570566 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:33:53] 0.651115 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:34:08] Energy consumed for RAM : 0.080574 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:34:08] Energy consumed for all CPUs : 0.570743 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:34:08] 0.651317 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:34:23] Energy consumed for RAM : 0.080599 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:34:23] Energy consumed for all CPUs : 0.570920 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:34:23] 0.651519 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:34:38] Energy consumed for RAM : 0.080624 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:34:38] Energy consumed for all CPUs : 0.571097 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:34:38] 0.651721 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:34:53] Energy consumed for RAM : 0.080649 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:34:53] Energy consumed for all CPUs : 0.571274 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 09:34:53] 0.651923 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:35:08] Energy consumed for RAM : 0.080674 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:35:08] Energy consumed for all CPUs : 0.571452 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:35:08] 0.652125 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:35:23] Energy consumed for RAM : 0.080699 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:35:23] Energy consumed for all CPUs : 0.571629 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:35:23] 0.652327 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:35:38] Energy consumed for RAM : 0.080724 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:35:38] Energy consumed for all CPUs : 0.571806 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:35:38] 0.652530 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:35:53] Energy consumed for RAM : 0.080749 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:35:53] Energy consumed for all CPUs : 0.571983 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:35:53] 0.652732 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:36:08] Energy consumed for RAM : 0.080774 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:36:08] Energy consumed for all CPUs : 0.572160 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:36:08] 0.652934 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:36:23] Energy consumed for RAM : 0.080799 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:36:23] Energy consumed for all CPUs : 0.572337 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:36:23] 0.653136 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:36:38] Energy consumed for RAM : 0.080824 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:36:38] Energy consumed for all CPUs : 0.572514 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:36:38] 0.653338 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:36:53] Energy consumed for RAM : 0.080849 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:36:53] Energy consumed for all CPUs : 0.572691 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:36:53] 0.653540 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:37:08] Energy consumed for RAM : 0.080874 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:37:08] Energy consumed for all CPUs : 0.572868 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:37:08] 0.653742 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:37:23] Energy consumed for RAM : 0.080899 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:37:23] Energy consumed for all CPUs : 0.573045 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 09:37:23] 0.653944 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:37:38] Energy consumed for RAM : 0.080924 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:37:38] Energy consumed for all CPUs : 0.573222 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:37:38] 0.654146 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:37:53] Energy consumed for RAM : 0.080949 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:37:53] Energy consumed for all CPUs : 0.573399 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:37:53] 0.654348 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:38:08] Energy consumed for RAM : 0.080974 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:38:08] Energy consumed for all CPUs : 0.573576 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:38:08] 0.654550 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:38:23] Energy consumed for RAM : 0.080999 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:38:23] Energy consumed for all CPUs : 0.573754 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:38:23] 0.654752 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:38:38] Energy consumed for RAM : 0.081024 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:38:38] Energy consumed for all CPUs : 0.573931 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:38:38] 0.654954 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:38:53] Energy consumed for RAM : 0.081049 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:38:53] Energy consumed for all CPUs : 0.574108 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:38:53] 0.655157 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:39:08] Energy consumed for RAM : 0.081074 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:39:08] Energy consumed for all CPUs : 0.574285 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:39:08] 0.655359 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:39:23] Energy consumed for RAM : 0.081099 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:39:23] Energy consumed for all CPUs : 0.574462 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:39:23] 0.655561 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:39:38] Energy consumed for RAM : 0.081124 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:39:38] Energy consumed for all CPUs : 0.574639 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:39:38] 0.655763 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:39:53] Energy consumed for RAM : 0.081149 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:39:53] Energy consumed for all CPUs : 0.574816 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 09:39:53] 0.655965 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:40:08] Energy consumed for RAM : 0.081174 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:40:08] Energy consumed for all CPUs : 0.574993 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:40:08] 0.656167 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:40:23] Energy consumed for RAM : 0.081199 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:40:23] Energy consumed for all CPUs : 0.575170 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:40:23] 0.656369 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:40:38] Energy consumed for RAM : 0.081224 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:40:38] Energy consumed for all CPUs : 0.575347 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:40:38] 0.656571 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:40:53] Energy consumed for RAM : 0.081249 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:40:53] Energy consumed for all CPUs : 0.575524 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:40:53] 0.656773 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:41:08] Energy consumed for RAM : 0.081274 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:41:08] Energy consumed for all CPUs : 0.575701 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:41:08] 0.656975 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:41:23] Energy consumed for RAM : 0.081299 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:41:23] Energy consumed for all CPUs : 0.575878 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:41:23] 0.657177 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:41:38] Energy consumed for RAM : 0.081324 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:41:38] Energy consumed for all CPUs : 0.576055 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:41:38] 0.657379 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:41:53] Energy consumed for RAM : 0.081349 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:41:53] Energy consumed for all CPUs : 0.576232 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:41:53] 0.657581 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:42:08] Energy consumed for RAM : 0.081374 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:42:08] Energy consumed for all CPUs : 0.576410 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:42:08] 0.657783 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:42:23] Energy consumed for RAM : 0.081399 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:42:23] Energy consumed for all CPUs : 0.576587 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 09:42:23] 0.657985 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:42:38] Energy consumed for RAM : 0.081424 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:42:38] Energy consumed for all CPUs : 0.576764 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:42:38] 0.658187 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:42:53] Energy consumed for RAM : 0.081449 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:42:53] Energy consumed for all CPUs : 0.576941 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:42:53] 0.658389 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:43:08] Energy consumed for RAM : 0.081474 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:43:08] Energy consumed for all CPUs : 0.577118 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:43:08] 0.658592 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:43:23] Energy consumed for RAM : 0.081499 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:43:23] Energy consumed for all CPUs : 0.577295 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:43:23] 0.658794 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:43:38] Energy consumed for RAM : 0.081524 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:43:38] Energy consumed for all CPUs : 0.577472 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:43:38] 0.658996 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:43:53] Energy consumed for RAM : 0.081549 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:43:53] Energy consumed for all CPUs : 0.577649 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:43:53] 0.659198 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:44:08] Energy consumed for RAM : 0.081574 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:44:08] Energy consumed for all CPUs : 0.577826 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:44:08] 0.659400 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:44:23] Energy consumed for RAM : 0.081599 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:44:23] Energy consumed for all CPUs : 0.578003 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:44:23] 0.659602 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:44:38] Energy consumed for RAM : 0.081624 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:44:38] Energy consumed for all CPUs : 0.578180 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:44:38] 0.659804 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:44:53] Energy consumed for RAM : 0.081649 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:44:53] Energy consumed for all CPUs : 0.578357 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 09:44:53] 0.660006 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:45:08] Energy consumed for RAM : 0.081674 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:45:08] Energy consumed for all CPUs : 0.578534 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:45:08] 0.660208 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:45:23] Energy consumed for RAM : 0.081699 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:45:23] Energy consumed for all CPUs : 0.578712 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:45:23] 0.660410 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:45:38] Energy consumed for RAM : 0.081724 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:45:38] Energy consumed for all CPUs : 0.578889 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:45:38] 0.660612 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:45:53] Energy consumed for RAM : 0.081749 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:45:53] Energy consumed for all CPUs : 0.579066 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:45:53] 0.660814 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:46:08] Energy consumed for RAM : 0.081774 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:46:08] Energy consumed for all CPUs : 0.579243 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:46:08] 0.661017 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:46:23] Energy consumed for RAM : 0.081799 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:46:23] Energy consumed for all CPUs : 0.579420 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:46:23] 0.661219 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:46:38] Energy consumed for RAM : 0.081824 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:46:38] Energy consumed for all CPUs : 0.579597 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:46:38] 0.661421 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:46:53] Energy consumed for RAM : 0.081849 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:46:53] Energy consumed for all CPUs : 0.579774 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:46:53] 0.661623 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:47:08] Energy consumed for RAM : 0.081874 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:47:08] Energy consumed for all CPUs : 0.579951 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:47:08] 0.661825 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:47:23] Energy consumed for RAM : 0.081899 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:47:23] Energy consumed for all CPUs : 0.580128 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 09:47:23] 0.662027 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:47:38] Energy consumed for RAM : 0.081924 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:47:38] Energy consumed for all CPUs : 0.580306 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:47:38] 0.662229 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:47:53] Energy consumed for RAM : 0.081949 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:47:53] Energy consumed for all CPUs : 0.580483 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:47:53] 0.662431 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:48:08] Energy consumed for RAM : 0.081974 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:48:08] Energy consumed for all CPUs : 0.580660 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:48:08] 0.662633 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:48:23] Energy consumed for RAM : 0.081999 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:48:23] Energy consumed for all CPUs : 0.580837 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:48:23] 0.662836 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:48:38] Energy consumed for RAM : 0.082024 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:48:38] Energy consumed for all CPUs : 0.581014 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:48:38] 0.663038 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:48:53] Energy consumed for RAM : 0.082049 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:48:53] Energy consumed for all CPUs : 0.581191 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:48:53] 0.663240 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:49:08] Energy consumed for RAM : 0.082074 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:49:08] Energy consumed for all CPUs : 0.581367 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:49:08] 0.663441 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:49:23] Energy consumed for RAM : 0.082099 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:49:23] Energy consumed for all CPUs : 0.581544 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:49:23] 0.663643 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:49:38] Energy consumed for RAM : 0.082124 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:49:38] Energy consumed for all CPUs : 0.581721 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:49:38] 0.663845 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:49:53] Energy consumed for RAM : 0.082149 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:49:53] Energy consumed for all CPUs : 0.581899 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 09:49:53] 0.664047 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:50:08] Energy consumed for RAM : 0.082174 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:50:08] Energy consumed for all CPUs : 0.582076 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:50:08] 0.664249 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:50:23] Energy consumed for RAM : 0.082199 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:50:23] Energy consumed for all CPUs : 0.582253 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:50:23] 0.664451 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:50:38] Energy consumed for RAM : 0.082224 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:50:38] Energy consumed for all CPUs : 0.582430 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:50:38] 0.664654 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:50:53] Energy consumed for RAM : 0.082249 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:50:53] Energy consumed for all CPUs : 0.582607 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:50:53] 0.664856 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:51:08] Energy consumed for RAM : 0.082273 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:51:08] Energy consumed for all CPUs : 0.582783 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:51:08] 0.665057 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:51:23] Energy consumed for RAM : 0.082298 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:51:23] Energy consumed for all CPUs : 0.582961 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:51:23] 0.665259 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:51:38] Energy consumed for RAM : 0.082323 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:51:38] Energy consumed for all CPUs : 0.583138 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:51:38] 0.665461 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:51:53] Energy consumed for RAM : 0.082348 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:51:53] Energy consumed for all CPUs : 0.583315 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:51:53] 0.665663 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:52:08] Energy consumed for RAM : 0.082373 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:52:08] Energy consumed for all CPUs : 0.583492 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:52:08] 0.665865 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:52:23] Energy consumed for RAM : 0.082398 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:52:23] Energy consumed for all CPUs : 0.583669 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 09:52:23] 0.666067 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:52:38] Energy consumed for RAM : 0.082423 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:52:38] Energy consumed for all CPUs : 0.583846 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:52:38] 0.666270 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:52:53] Energy consumed for RAM : 0.082448 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:52:53] Energy consumed for all CPUs : 0.584023 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:52:53] 0.666472 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:53:08] Energy consumed for RAM : 0.082473 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:53:08] Energy consumed for all CPUs : 0.584200 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:53:08] 0.666674 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:53:23] Energy consumed for RAM : 0.082498 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:53:23] Energy consumed for all CPUs : 0.584377 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:53:23] 0.666876 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:53:38] Energy consumed for RAM : 0.082523 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:53:38] Energy consumed for all CPUs : 0.584555 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:53:38] 0.667078 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:53:53] Energy consumed for RAM : 0.082548 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:53:53] Energy consumed for all CPUs : 0.584732 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:53:53] 0.667280 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:54:08] Energy consumed for RAM : 0.082573 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:54:08] Energy consumed for all CPUs : 0.584909 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:54:08] 0.667482 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:54:23] Energy consumed for RAM : 0.082598 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:54:23] Energy consumed for all CPUs : 0.585086 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:54:23] 0.667684 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:54:38] Energy consumed for RAM : 0.082623 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:54:38] Energy consumed for all CPUs : 0.585263 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:54:38] 0.667887 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:54:53] Energy consumed for RAM : 0.082648 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:54:53] Energy consumed for all CPUs : 0.585440 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 09:54:53] 0.668089 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:55:08] Energy consumed for RAM : 0.082673 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:55:08] Energy consumed for all CPUs : 0.585617 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:55:08] 0.668291 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:55:23] Energy consumed for RAM : 0.082698 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:55:23] Energy consumed for all CPUs : 0.585795 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:55:23] 0.668493 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:55:38] Energy consumed for RAM : 0.082723 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:55:38] Energy consumed for all CPUs : 0.585972 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:55:38] 0.668695 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:55:53] Energy consumed for RAM : 0.082748 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:55:53] Energy consumed for all CPUs : 0.586149 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:55:53] 0.668897 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:56:08] Energy consumed for RAM : 0.082773 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:56:08] Energy consumed for all CPUs : 0.586326 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:56:08] 0.669099 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:56:23] Energy consumed for RAM : 0.082798 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:56:23] Energy consumed for all CPUs : 0.586503 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:56:23] 0.669302 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:56:38] Energy consumed for RAM : 0.082823 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:56:38] Energy consumed for all CPUs : 0.586680 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:56:38] 0.669504 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:56:53] Energy consumed for RAM : 0.082848 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:56:53] Energy consumed for all CPUs : 0.586857 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:56:53] 0.669706 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:57:08] Energy consumed for RAM : 0.082873 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:57:08] Energy consumed for all CPUs : 0.587035 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:57:08] 0.669908 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:57:23] Energy consumed for RAM : 0.082898 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:57:23] Energy consumed for all CPUs : 0.587212 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 09:57:23] 0.670110 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:57:38] Energy consumed for RAM : 0.082924 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:57:38] Energy consumed for all CPUs : 0.587389 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:57:38] 0.670312 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:57:53] Energy consumed for RAM : 0.082949 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:57:53] Energy consumed for all CPUs : 0.587566 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:57:53] 0.670514 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:58:08] Energy consumed for RAM : 0.082974 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:58:08] Energy consumed for all CPUs : 0.587743 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:58:08] 0.670717 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:58:23] Energy consumed for RAM : 0.082999 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:58:23] Energy consumed for all CPUs : 0.587920 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:58:23] 0.670919 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:58:38] Energy consumed for RAM : 0.083024 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:58:38] Energy consumed for all CPUs : 0.588097 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:58:38] 0.671121 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:58:53] Energy consumed for RAM : 0.083049 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:58:53] Energy consumed for all CPUs : 0.588275 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:58:53] 0.671323 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:59:08] Energy consumed for RAM : 0.083074 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:59:08] Energy consumed for all CPUs : 0.588452 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:59:08] 0.671525 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:59:23] Energy consumed for RAM : 0.083099 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:59:23] Energy consumed for all CPUs : 0.588629 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:59:23] 0.671727 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:59:38] Energy consumed for RAM : 0.083124 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:59:38] Energy consumed for all CPUs : 0.588806 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 09:59:38] 0.671929 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 09:59:53] Energy consumed for RAM : 0.083149 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 09:59:53] Energy consumed for all CPUs : 0.588983 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 09:59:53] 0.672132 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:00:08] Energy consumed for RAM : 0.083174 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:00:08] Energy consumed for all CPUs : 0.589160 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:00:08] 0.672334 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:00:23] Energy consumed for RAM : 0.083199 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:00:23] Energy consumed for all CPUs : 0.589337 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:00:23] 0.672536 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:00:38] Energy consumed for RAM : 0.083224 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:00:38] Energy consumed for all CPUs : 0.589514 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:00:38] 0.672738 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:00:53] Energy consumed for RAM : 0.083249 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:00:53] Energy consumed for all CPUs : 0.589692 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:00:53] 0.672940 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:01:08] Energy consumed for RAM : 0.083274 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:01:08] Energy consumed for all CPUs : 0.589869 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:01:08] 0.673142 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:01:23] Energy consumed for RAM : 0.083299 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:01:23] Energy consumed for all CPUs : 0.590046 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:01:23] 0.673344 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:01:38] Energy consumed for RAM : 0.083324 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:01:38] Energy consumed for all CPUs : 0.590223 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:01:38] 0.673547 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:01:53] Energy consumed for RAM : 0.083349 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:01:53] Energy consumed for all CPUs : 0.590400 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:01:53] 0.673749 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:02:08] Energy consumed for RAM : 0.083374 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:02:08] Energy consumed for all CPUs : 0.590577 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:02:08] 0.673951 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:02:23] Energy consumed for RAM : 0.083399 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:02:23] Energy consumed for all CPUs : 0.590754 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 10:02:23] 0.674153 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:02:38] Energy consumed for RAM : 0.083424 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:02:38] Energy consumed for all CPUs : 0.590931 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:02:38] 0.674355 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:02:53] Energy consumed for RAM : 0.083449 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:02:53] Energy consumed for all CPUs : 0.591108 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:02:53] 0.674557 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:03:08] Energy consumed for RAM : 0.083474 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:03:08] Energy consumed for all CPUs : 0.591285 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:03:08] 0.674759 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:03:23] Energy consumed for RAM : 0.083499 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:03:23] Energy consumed for all CPUs : 0.591462 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:03:23] 0.674961 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:03:38] Energy consumed for RAM : 0.083524 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:03:38] Energy consumed for all CPUs : 0.591640 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:03:38] 0.675163 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:03:54] Energy consumed for RAM : 0.083549 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:03:54] Energy consumed for all CPUs : 0.591817 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:03:54] 0.675365 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:04:09] Energy consumed for RAM : 0.083574 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:04:09] Energy consumed for all CPUs : 0.591994 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:04:09] 0.675567 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:04:24] Energy consumed for RAM : 0.083599 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:04:24] Energy consumed for all CPUs : 0.592171 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:04:24] 0.675769 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:04:39] Energy consumed for RAM : 0.083624 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:04:39] Energy consumed for all CPUs : 0.592348 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:04:39] 0.675972 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:04:54] Energy consumed for RAM : 0.083649 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:04:54] Energy consumed for all CPUs : 0.592525 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 10:04:54] 0.676174 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:05:09] Energy consumed for RAM : 0.083674 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:05:09] Energy consumed for all CPUs : 0.592702 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:05:09] 0.676376 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:05:24] Energy consumed for RAM : 0.083699 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:05:24] Energy consumed for all CPUs : 0.592879 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:05:24] 0.676578 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:05:39] Energy consumed for RAM : 0.083724 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:05:39] Energy consumed for all CPUs : 0.593056 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:05:39] 0.676780 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:05:54] Energy consumed for RAM : 0.083749 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:05:54] Energy consumed for all CPUs : 0.593234 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:05:54] 0.676982 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:06:09] Energy consumed for RAM : 0.083774 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:06:09] Energy consumed for all CPUs : 0.593411 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:06:09] 0.677184 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:06:24] Energy consumed for RAM : 0.083799 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:06:24] Energy consumed for all CPUs : 0.593588 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:06:24] 0.677386 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:06:39] Energy consumed for RAM : 0.083824 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:06:39] Energy consumed for all CPUs : 0.593765 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:06:39] 0.677588 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:06:54] Energy consumed for RAM : 0.083849 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:06:54] Energy consumed for all CPUs : 0.593942 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:06:54] 0.677791 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:07:09] Energy consumed for RAM : 0.083874 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:07:09] Energy consumed for all CPUs : 0.594119 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:07:09] 0.677993 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:07:24] Energy consumed for RAM : 0.083899 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:07:24] Energy consumed for all CPUs : 0.594296 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 10:07:24] 0.678195 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:07:39] Energy consumed for RAM : 0.083924 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:07:39] Energy consumed for all CPUs : 0.594475 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:07:39] 0.678399 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:07:54] Energy consumed for RAM : 0.083949 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:07:54] Energy consumed for all CPUs : 0.594652 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:07:54] 0.678601 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:08:09] Energy consumed for RAM : 0.083974 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:08:09] Energy consumed for all CPUs : 0.594829 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:08:09] 0.678803 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:08:24] Energy consumed for RAM : 0.083999 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:08:24] Energy consumed for all CPUs : 0.595006 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:08:24] 0.679005 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:08:39] Energy consumed for RAM : 0.084024 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:08:39] Energy consumed for all CPUs : 0.595183 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:08:39] 0.679207 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:08:54] Energy consumed for RAM : 0.084049 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:08:54] Energy consumed for all CPUs : 0.595361 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:08:54] 0.679409 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:09:09] Energy consumed for RAM : 0.084074 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:09:09] Energy consumed for all CPUs : 0.595538 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:09:09] 0.679611 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:09:24] Energy consumed for RAM : 0.084099 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:09:24] Energy consumed for all CPUs : 0.595715 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:09:24] 0.679814 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:09:39] Energy consumed for RAM : 0.084124 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:09:39] Energy consumed for all CPUs : 0.595892 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:09:39] 0.680016 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:09:54] Energy consumed for RAM : 0.084149 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:09:54] Energy consumed for all CPUs : 0.596069 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 10:09:54] 0.680218 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:10:09] Energy consumed for RAM : 0.084174 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:10:09] Energy consumed for all CPUs : 0.596246 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:10:09] 0.680420 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:10:24] Energy consumed for RAM : 0.084199 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:10:24] Energy consumed for all CPUs : 0.596423 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:10:24] 0.680622 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:10:39] Energy consumed for RAM : 0.084224 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:10:39] Energy consumed for all CPUs : 0.596600 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:10:39] 0.680824 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:10:54] Energy consumed for RAM : 0.084249 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:10:54] Energy consumed for all CPUs : 0.596777 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:10:54] 0.681026 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:11:09] Energy consumed for RAM : 0.084274 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:11:09] Energy consumed for all CPUs : 0.596955 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:11:09] 0.681228 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:11:24] Energy consumed for RAM : 0.084299 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:11:24] Energy consumed for all CPUs : 0.597132 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:11:24] 0.681430 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:11:39] Energy consumed for RAM : 0.084324 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:11:39] Energy consumed for all CPUs : 0.597309 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:11:39] 0.681632 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:11:54] Energy consumed for RAM : 0.084349 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:11:54] Energy consumed for all CPUs : 0.597486 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:11:54] 0.681835 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:12:09] Energy consumed for RAM : 0.084374 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:12:09] Energy consumed for all CPUs : 0.597663 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:12:09] 0.682037 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:12:24] Energy consumed for RAM : 0.084399 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:12:24] Energy consumed for all CPUs : 0.597840 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 10:12:24] 0.682239 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:12:39] Energy consumed for RAM : 0.084424 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:12:39] Energy consumed for all CPUs : 0.598017 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:12:39] 0.682441 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:12:54] Energy consumed for RAM : 0.084449 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:12:54] Energy consumed for all CPUs : 0.598194 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:12:54] 0.682643 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:13:09] Energy consumed for RAM : 0.084474 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:13:09] Energy consumed for all CPUs : 0.598371 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:13:09] 0.682845 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:13:24] Energy consumed for RAM : 0.084499 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:13:24] Energy consumed for all CPUs : 0.598548 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:13:24] 0.683047 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:13:39] Energy consumed for RAM : 0.084524 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:13:39] Energy consumed for all CPUs : 0.598725 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:13:39] 0.683249 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:13:54] Energy consumed for RAM : 0.084549 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:13:54] Energy consumed for all CPUs : 0.598903 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:13:54] 0.683451 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:14:09] Energy consumed for RAM : 0.084574 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:14:09] Energy consumed for all CPUs : 0.599080 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:14:09] 0.683653 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:14:24] Energy consumed for RAM : 0.084599 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:14:24] Energy consumed for all CPUs : 0.599257 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:14:24] 0.683855 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:14:39] Energy consumed for RAM : 0.084624 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:14:39] Energy consumed for all CPUs : 0.599434 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:14:39] 0.684058 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:14:54] Energy consumed for RAM : 0.084649 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:14:54] Energy consumed for all CPUs : 0.599611 kWh. Tota
l CPU Power : 42.5 W
```

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[codecarbon INFO @ 10:14:54] 0.684260 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:15:09] Energy consumed for RAM : 0.084674 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:15:09] Energy consumed for all CPUs : 0.599788 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:15:09] 0.684462 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:15:24] Energy consumed for RAM : 0.084699 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:15:24] Energy consumed for all CPUs : 0.599965 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:15:24] 0.684664 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:15:39] Energy consumed for RAM : 0.084724 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:15:39] Energy consumed for all CPUs : 0.600142 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:15:39] 0.684866 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:15:54] Energy consumed for RAM : 0.084749 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:15:54] Energy consumed for all CPUs : 0.600319 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:15:54] 0.685068 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:16:09] Energy consumed for RAM : 0.084774 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:16:09] Energy consumed for all CPUs : 0.600496 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:16:09] 0.685270 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:16:24] Energy consumed for RAM : 0.084799 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:16:24] Energy consumed for all CPUs : 0.600673 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:16:24] 0.685472 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:16:39] Energy consumed for RAM : 0.084824 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:16:39] Energy consumed for all CPUs : 0.600851 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:16:39] 0.685674 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:16:54] Energy consumed for RAM : 0.084849 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:16:54] Energy consumed for all CPUs : 0.601028 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:16:54] 0.685876 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:17:09] Energy consumed for RAM : 0.084874 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:17:09] Energy consumed for all CPUs : 0.601205 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:17:09] 0.686079 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:17:24] Energy consumed for RAM : 0.084899 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:17:24] Energy consumed for all CPUs : 0.601382 kWh. Tota
l CPU Power : 42.5 W
```

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[codecarbon INFO @ 10:17:24] 0.686281 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:17:39] Energy consumed for RAM : 0.084924 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:17:39] Energy consumed for all CPUs : 0.601559 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:17:39] 0.686483 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:17:54] Energy consumed for RAM : 0.084949 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:17:54] Energy consumed for all CPUs : 0.601736 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:17:54] 0.686685 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:18:09] Energy consumed for RAM : 0.084974 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:18:09] Energy consumed for all CPUs : 0.601913 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:18:09] 0.686887 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:18:24] Energy consumed for RAM : 0.084999 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:18:24] Energy consumed for all CPUs : 0.602090 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:18:24] 0.687089 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:18:39] Energy consumed for RAM : 0.085024 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:18:39] Energy consumed for all CPUs : 0.602267 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:18:39] 0.687291 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:18:54] Energy consumed for RAM : 0.085049 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:18:54] Energy consumed for all CPUs : 0.602444 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:18:54] 0.687493 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:19:09] Energy consumed for RAM : 0.085074 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:19:09] Energy consumed for all CPUs : 0.602622 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:19:09] 0.687696 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:19:24] Energy consumed for RAM : 0.085099 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:19:24] Energy consumed for all CPUs : 0.602799 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:19:24] 0.687898 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:19:39] Energy consumed for RAM : 0.085124 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:19:39] Energy consumed for all CPUs : 0.602976 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:19:39] 0.688100 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:19:54] Energy consumed for RAM : 0.085149 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:19:54] Energy consumed for all CPUs : 0.603153 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 10:19:54] 0.688302 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:20:09] Energy consumed for RAM : 0.085174 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:20:09] Energy consumed for all CPUs : 0.603330 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:20:09] 0.688504 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:20:24] Energy consumed for RAM : 0.085199 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:20:24] Energy consumed for all CPUs : 0.603507 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:20:24] 0.688706 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:20:39] Energy consumed for RAM : 0.085224 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:20:39] Energy consumed for all CPUs : 0.603685 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:20:39] 0.688908 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:20:54] Energy consumed for RAM : 0.085249 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:20:54] Energy consumed for all CPUs : 0.603862 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:20:54] 0.689110 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:21:09] Energy consumed for RAM : 0.085274 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:21:09] Energy consumed for all CPUs : 0.604039 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:21:09] 0.689312 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:21:24] Energy consumed for RAM : 0.085299 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:21:24] Energy consumed for all CPUs : 0.604216 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:21:24] 0.689514 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:21:39] Energy consumed for RAM : 0.085324 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:21:39] Energy consumed for all CPUs : 0.604393 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:21:39] 0.689717 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:21:54] Energy consumed for RAM : 0.085349 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:21:54] Energy consumed for all CPUs : 0.604570 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:21:54] 0.689919 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:22:09] Energy consumed for RAM : 0.085374 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:22:09] Energy consumed for all CPUs : 0.604747 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:22:09] 0.690121 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:22:24] Energy consumed for RAM : 0.085399 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:22:24] Energy consumed for all CPUs : 0.604924 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 10:22:24] 0.690323 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:22:39] Energy consumed for RAM : 0.085424 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:22:39] Energy consumed for all CPUs : 0.605101 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:22:39] 0.690525 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:22:54] Energy consumed for RAM : 0.085449 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:22:54] Energy consumed for all CPUs : 0.605278 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:22:54] 0.690727 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:23:09] Energy consumed for RAM : 0.085474 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:23:09] Energy consumed for all CPUs : 0.605455 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:23:09] 0.690929 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:23:24] Energy consumed for RAM : 0.085499 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:23:24] Energy consumed for all CPUs : 0.605633 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:23:24] 0.691131 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:23:39] Energy consumed for RAM : 0.085524 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:23:39] Energy consumed for all CPUs : 0.605810 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:23:39] 0.691333 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:23:54] Energy consumed for RAM : 0.085549 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:23:54] Energy consumed for all CPUs : 0.605987 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:23:54] 0.691536 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:24:09] Energy consumed for RAM : 0.085574 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:24:09] Energy consumed for all CPUs : 0.606164 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:24:09] 0.691738 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:24:24] Energy consumed for RAM : 0.085599 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:24:24] Energy consumed for all CPUs : 0.606341 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:24:24] 0.691940 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:24:39] Energy consumed for RAM : 0.085624 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:24:39] Energy consumed for all CPUs : 0.606518 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:24:39] 0.692142 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:24:54] Energy consumed for RAM : 0.085649 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:24:54] Energy consumed for all CPUs : 0.606695 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 10:24:54] 0.692344 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:25:09] Energy consumed for RAM : 0.085674 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:25:09] Energy consumed for all CPUs : 0.606872 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:25:09] 0.692546 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:25:24] Energy consumed for RAM : 0.085699 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:25:24] Energy consumed for all CPUs : 0.607049 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:25:24] 0.692748 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:25:39] Energy consumed for RAM : 0.085724 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:25:39] Energy consumed for all CPUs : 0.607227 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:25:39] 0.692950 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:25:54] Energy consumed for RAM : 0.085749 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:25:54] Energy consumed for all CPUs : 0.607404 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:25:54] 0.693152 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:26:09] Energy consumed for RAM : 0.085774 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:26:09] Energy consumed for all CPUs : 0.607581 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:26:09] 0.693354 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:26:24] Energy consumed for RAM : 0.085799 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:26:24] Energy consumed for all CPUs : 0.607758 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:26:24] 0.693557 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:26:39] Energy consumed for RAM : 0.085824 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:26:39] Energy consumed for all CPUs : 0.607935 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:26:39] 0.693759 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:26:54] Energy consumed for RAM : 0.085849 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:26:54] Energy consumed for all CPUs : 0.608112 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:26:54] 0.693961 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:27:09] Energy consumed for RAM : 0.085874 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:27:09] Energy consumed for all CPUs : 0.608289 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:27:09] 0.694163 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:27:24] Energy consumed for RAM : 0.085899 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:27:24] Energy consumed for all CPUs : 0.608466 kWh. Tota
l CPU Power : 42.5 W
```

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[codecarbon INFO @ 10:27:24] 0.694365 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:27:39] Energy consumed for RAM : 0.085924 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:27:39] Energy consumed for all CPUs : 0.608643 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:27:39] 0.694567 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:27:54] Energy consumed for RAM : 0.085949 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:27:54] Energy consumed for all CPUs : 0.608820 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:27:54] 0.694769 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:28:09] Energy consumed for RAM : 0.085974 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:28:09] Energy consumed for all CPUs : 0.608997 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:28:09] 0.694971 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:28:24] Energy consumed for RAM : 0.085999 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:28:24] Energy consumed for all CPUs : 0.609175 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:28:24] 0.695173 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:28:39] Energy consumed for RAM : 0.086024 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:28:39] Energy consumed for all CPUs : 0.609352 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:28:39] 0.695375 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:28:54] Energy consumed for RAM : 0.086049 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:28:54] Energy consumed for all CPUs : 0.609529 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:28:54] 0.695577 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:29:09] Energy consumed for RAM : 0.086074 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:29:09] Energy consumed for all CPUs : 0.609706 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:29:09] 0.695780 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:29:24] Energy consumed for RAM : 0.086099 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:29:24] Energy consumed for all CPUs : 0.609883 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:29:24] 0.695982 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:29:39] Energy consumed for RAM : 0.086124 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:29:39] Energy consumed for all CPUs : 0.610060 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:29:39] 0.696184 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:29:54] Energy consumed for RAM : 0.086149 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:29:54] Energy consumed for all CPUs : 0.610237 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 10:29:54] 0.696386 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:30:09] Energy consumed for RAM : 0.086174 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:30:09] Energy consumed for all CPUs : 0.610414 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:30:09] 0.696588 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:30:24] Energy consumed for RAM : 0.086199 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:30:24] Energy consumed for all CPUs : 0.610591 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:30:24] 0.696790 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:30:39] Energy consumed for RAM : 0.086224 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:30:39] Energy consumed for all CPUs : 0.610768 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:30:39] 0.696992 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:30:54] Energy consumed for RAM : 0.086249 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:30:54] Energy consumed for all CPUs : 0.610946 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:30:54] 0.697194 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:31:09] Energy consumed for RAM : 0.086274 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:31:09] Energy consumed for all CPUs : 0.611123 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:31:09] 0.697396 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:31:24] Energy consumed for RAM : 0.086299 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:31:24] Energy consumed for all CPUs : 0.611300 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:31:24] 0.697598 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:31:39] Energy consumed for RAM : 0.086324 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:31:39] Energy consumed for all CPUs : 0.611477 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:31:39] 0.697801 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:31:54] Energy consumed for RAM : 0.086349 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:31:54] Energy consumed for all CPUs : 0.611654 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:31:54] 0.698003 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:32:09] Energy consumed for RAM : 0.086374 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:32:09] Energy consumed for all CPUs : 0.611831 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:32:09] 0.698205 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:32:24] Energy consumed for RAM : 0.086399 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:32:24] Energy consumed for all CPUs : 0.612008 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 10:32:24] 0.698407 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:32:39] Energy consumed for RAM : 0.086424 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:32:39] Energy consumed for all CPUs : 0.612185 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:32:39] 0.698609 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:32:54] Energy consumed for RAM : 0.086449 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:32:54] Energy consumed for all CPUs : 0.612362 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:32:54] 0.698811 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:33:09] Energy consumed for RAM : 0.086474 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:33:09] Energy consumed for all CPUs : 0.612539 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:33:09] 0.699013 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:33:24] Energy consumed for RAM : 0.086499 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:33:24] Energy consumed for all CPUs : 0.612716 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:33:24] 0.699215 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:33:39] Energy consumed for RAM : 0.086524 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:33:39] Energy consumed for all CPUs : 0.612893 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:33:39] 0.699417 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:33:54] Energy consumed for RAM : 0.086549 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:33:54] Energy consumed for all CPUs : 0.613071 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:33:54] 0.699619 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:34:09] Energy consumed for RAM : 0.086574 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:34:09] Energy consumed for all CPUs : 0.613248 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:34:09] 0.699821 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:34:24] Energy consumed for RAM : 0.086599 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:34:24] Energy consumed for all CPUs : 0.613425 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:34:24] 0.700023 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:34:39] Energy consumed for RAM : 0.086624 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:34:39] Energy consumed for all CPUs : 0.613602 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:34:39] 0.700226 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:34:54] Energy consumed for RAM : 0.086649 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:34:54] Energy consumed for all CPUs : 0.613779 kWh. Tota
l CPU Power : 42.5 W
```

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[codecarbon INFO @ 10:34:54] 0.700428 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:35:09] Energy consumed for RAM : 0.086674 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:35:09] Energy consumed for all CPUs : 0.613956 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:35:09] 0.700630 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:35:24] Energy consumed for RAM : 0.086699 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:35:24] Energy consumed for all CPUs : 0.614133 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:35:24] 0.700832 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:35:39] Energy consumed for RAM : 0.086724 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:35:39] Energy consumed for all CPUs : 0.614310 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:35:39] 0.701034 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:35:54] Energy consumed for RAM : 0.086749 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:35:54] Energy consumed for all CPUs : 0.614487 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:35:54] 0.701236 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:36:09] Energy consumed for RAM : 0.086774 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:36:09] Energy consumed for all CPUs : 0.614664 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:36:09] 0.701438 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:36:24] Energy consumed for RAM : 0.086799 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:36:24] Energy consumed for all CPUs : 0.614841 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:36:24] 0.701640 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:36:39] Energy consumed for RAM : 0.086824 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:36:39] Energy consumed for all CPUs : 0.615019 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:36:39] 0.701842 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:36:54] Energy consumed for RAM : 0.086849 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:36:54] Energy consumed for all CPUs : 0.615196 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:36:54] 0.702044 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:37:09] Energy consumed for RAM : 0.086874 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:37:09] Energy consumed for all CPUs : 0.615373 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:37:09] 0.702246 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:37:24] Energy consumed for RAM : 0.086899 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:37:24] Energy consumed for all CPUs : 0.615550 kWh. Tota
l CPU Power : 42.5 W
```

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[codecarbon INFO @ 10:37:24] 0.702449 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:37:39] Energy consumed for RAM : 0.086924 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:37:39] Energy consumed for all CPUs : 0.615727 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:37:39] 0.702651 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:37:54] Energy consumed for RAM : 0.086949 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:37:54] Energy consumed for all CPUs : 0.615904 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:37:54] 0.702853 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:38:09] Energy consumed for RAM : 0.086974 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:38:09] Energy consumed for all CPUs : 0.616081 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:38:09] 0.703055 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:38:24] Energy consumed for RAM : 0.086999 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:38:24] Energy consumed for all CPUs : 0.616258 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:38:24] 0.703257 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:38:39] Energy consumed for RAM : 0.087024 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:38:39] Energy consumed for all CPUs : 0.616435 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:38:39] 0.703459 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:38:54] Energy consumed for RAM : 0.087049 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:38:54] Energy consumed for all CPUs : 0.616613 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:38:54] 0.703661 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:39:09] Energy consumed for RAM : 0.087074 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:39:09] Energy consumed for all CPUs : 0.616790 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:39:09] 0.703863 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:39:24] Energy consumed for RAM : 0.087099 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:39:24] Energy consumed for all CPUs : 0.616967 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:39:24] 0.704066 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:39:39] Energy consumed for RAM : 0.087124 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:39:39] Energy consumed for all CPUs : 0.617144 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:39:39] 0.704268 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:39:54] Energy consumed for RAM : 0.087149 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:39:54] Energy consumed for all CPUs : 0.617321 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 10:39:54] 0.704470 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:40:09] Energy consumed for RAM : 0.087174 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:40:09] Energy consumed for all CPUs : 0.617498 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:40:09] 0.704672 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:40:24] Energy consumed for RAM : 0.087199 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:40:24] Energy consumed for all CPUs : 0.617675 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:40:24] 0.704874 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:40:39] Energy consumed for RAM : 0.087224 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:40:39] Energy consumed for all CPUs : 0.617852 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:40:39] 0.705076 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:40:54] Energy consumed for RAM : 0.087249 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:40:54] Energy consumed for all CPUs : 0.618030 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:40:54] 0.705278 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:41:09] Energy consumed for RAM : 0.087274 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:41:09] Energy consumed for all CPUs : 0.618207 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:41:09] 0.705480 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:41:24] Energy consumed for RAM : 0.087299 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:41:24] Energy consumed for all CPUs : 0.618384 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:41:24] 0.705682 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:41:39] Energy consumed for RAM : 0.087324 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:41:39] Energy consumed for all CPUs : 0.618561 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:41:39] 0.705885 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:41:54] Energy consumed for RAM : 0.087349 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:41:54] Energy consumed for all CPUs : 0.618738 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:41:54] 0.706087 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:42:09] Energy consumed for RAM : 0.087374 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:42:09] Energy consumed for all CPUs : 0.618915 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:42:09] 0.706289 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:42:24] Energy consumed for RAM : 0.087399 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:42:24] Energy consumed for all CPUs : 0.619092 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 10:42:24] 0.706491 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:42:39] Energy consumed for RAM : 0.087424 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:42:39] Energy consumed for all CPUs : 0.619269 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:42:39] 0.706693 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:42:54] Energy consumed for RAM : 0.087449 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:42:54] Energy consumed for all CPUs : 0.619446 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:42:54] 0.706895 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:43:09] Energy consumed for RAM : 0.087474 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:43:09] Energy consumed for all CPUs : 0.619623 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:43:09] 0.707097 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:43:24] Energy consumed for RAM : 0.087499 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:43:24] Energy consumed for all CPUs : 0.619801 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:43:24] 0.707299 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:43:39] Energy consumed for RAM : 0.087524 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:43:39] Energy consumed for all CPUs : 0.619978 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:43:39] 0.707501 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:43:54] Energy consumed for RAM : 0.087549 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:43:54] Energy consumed for all CPUs : 0.620155 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:43:54] 0.707703 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:44:09] Energy consumed for RAM : 0.087574 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:44:09] Energy consumed for all CPUs : 0.620332 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:44:09] 0.707906 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:44:24] Energy consumed for RAM : 0.087599 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:44:24] Energy consumed for all CPUs : 0.620509 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:44:24] 0.708108 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:44:39] Energy consumed for RAM : 0.087624 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:44:39] Energy consumed for all CPUs : 0.620686 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:44:39] 0.708310 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:44:54] Energy consumed for RAM : 0.087649 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:44:54] Energy consumed for all CPUs : 0.620863 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 10:44:54] 0.708512 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:45:09] Energy consumed for RAM : 0.087674 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:45:09] Energy consumed for all CPUs : 0.621040 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:45:09] 0.708714 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:45:24] Energy consumed for RAM : 0.087699 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:45:24] Energy consumed for all CPUs : 0.621217 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:45:24] 0.708916 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:45:39] Energy consumed for RAM : 0.087724 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:45:39] Energy consumed for all CPUs : 0.621394 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:45:39] 0.709118 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:45:54] Energy consumed for RAM : 0.087749 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:45:54] Energy consumed for all CPUs : 0.621572 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:45:54] 0.709320 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:46:09] Energy consumed for RAM : 0.087774 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:46:09] Energy consumed for all CPUs : 0.621749 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:46:09] 0.709522 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:46:24] Energy consumed for RAM : 0.087799 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:46:24] Energy consumed for all CPUs : 0.621926 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:46:24] 0.709725 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:46:39] Energy consumed for RAM : 0.087824 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:46:39] Energy consumed for all CPUs : 0.622103 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:46:39] 0.709927 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:46:54] Energy consumed for RAM : 0.087849 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:46:54] Energy consumed for all CPUs : 0.622280 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:46:54] 0.710128 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:47:09] Energy consumed for RAM : 0.087874 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:47:09] Energy consumed for all CPUs : 0.622457 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:47:09] 0.710330 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:47:24] Energy consumed for RAM : 0.087899 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:47:24] Energy consumed for all CPUs : 0.622634 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 10:47:24] 0.710532 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:47:39] Energy consumed for RAM : 0.087924 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:47:39] Energy consumed for all CPUs : 0.622811 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:47:39] 0.710734 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:47:54] Energy consumed for RAM : 0.087949 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:47:54] Energy consumed for all CPUs : 0.622988 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:47:54] 0.710936 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:48:09] Energy consumed for RAM : 0.087974 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:48:09] Energy consumed for all CPUs : 0.623165 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:48:09] 0.711138 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:48:24] Energy consumed for RAM : 0.087999 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:48:24] Energy consumed for all CPUs : 0.623342 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:48:24] 0.711341 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:48:39] Energy consumed for RAM : 0.088024 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:48:39] Energy consumed for all CPUs : 0.623519 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:48:39] 0.711543 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:48:54] Energy consumed for RAM : 0.088049 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:48:54] Energy consumed for all CPUs : 0.623696 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:48:54] 0.711745 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:49:09] Energy consumed for RAM : 0.088074 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:49:09] Energy consumed for all CPUs : 0.623873 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:49:09] 0.711947 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:49:24] Energy consumed for RAM : 0.088099 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:49:24] Energy consumed for all CPUs : 0.624050 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:49:24] 0.712149 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:49:39] Energy consumed for RAM : 0.088124 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:49:39] Energy consumed for all CPUs : 0.624227 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:49:39] 0.712351 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:49:54] Energy consumed for RAM : 0.088149 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:49:54] Energy consumed for all CPUs : 0.624404 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 10:49:54] 0.712553 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:50:09] Energy consumed for RAM : 0.088174 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:50:09] Energy consumed for all CPUs : 0.624582 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:50:09] 0.712755 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:50:24] Energy consumed for RAM : 0.088199 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:50:24] Energy consumed for all CPUs : 0.624759 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:50:24] 0.712957 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:50:39] Energy consumed for RAM : 0.088224 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:50:39] Energy consumed for all CPUs : 0.624936 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:50:39] 0.713159 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:50:54] Energy consumed for RAM : 0.088249 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:50:54] Energy consumed for all CPUs : 0.625113 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:50:54] 0.713361 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:51:09] Energy consumed for RAM : 0.088274 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:51:09] Energy consumed for all CPUs : 0.625290 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:51:09] 0.713564 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:51:24] Energy consumed for RAM : 0.088299 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:51:24] Energy consumed for all CPUs : 0.625467 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:51:24] 0.713766 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:51:39] Energy consumed for RAM : 0.088324 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:51:39] Energy consumed for all CPUs : 0.625644 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:51:39] 0.713968 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:51:54] Energy consumed for RAM : 0.088349 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:51:54] Energy consumed for all CPUs : 0.625821 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:51:54] 0.714170 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:52:09] Energy consumed for RAM : 0.088374 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:52:09] Energy consumed for all CPUs : 0.625998 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:52:09] 0.714372 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:52:24] Energy consumed for RAM : 0.088399 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:52:24] Energy consumed for all CPUs : 0.626175 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 10:52:24] 0.714574 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:52:39] Energy consumed for RAM : 0.088424 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:52:39] Energy consumed for all CPUs : 0.626353 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:52:39] 0.714776 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:52:54] Energy consumed for RAM : 0.088449 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:52:54] Energy consumed for all CPUs : 0.626530 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:52:54] 0.714978 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:53:09] Energy consumed for RAM : 0.088474 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:53:09] Energy consumed for all CPUs : 0.626707 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:53:09] 0.715180 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:53:24] Energy consumed for RAM : 0.088499 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:53:24] Energy consumed for all CPUs : 0.626884 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:53:24] 0.715382 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:53:39] Energy consumed for RAM : 0.088524 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:53:39] Energy consumed for all CPUs : 0.627061 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:53:39] 0.715585 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:53:54] Energy consumed for RAM : 0.088549 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:53:54] Energy consumed for all CPUs : 0.627238 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:53:54] 0.715787 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:54:09] Energy consumed for RAM : 0.088574 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:54:09] Energy consumed for all CPUs : 0.627415 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:54:09] 0.715989 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:54:24] Energy consumed for RAM : 0.088599 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:54:24] Energy consumed for all CPUs : 0.627592 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:54:24] 0.716191 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:54:39] Energy consumed for RAM : 0.088624 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:54:39] Energy consumed for all CPUs : 0.627769 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:54:39] 0.716393 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:54:54] Energy consumed for RAM : 0.088649 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:54:54] Energy consumed for all CPUs : 0.627946 kWh. Tota
l CPU Power : 42.5 W
```

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[codecarbon INFO @ 10:54:54] 0.716595 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:55:09] Energy consumed for RAM : 0.088674 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:55:09] Energy consumed for all CPUs : 0.628124 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:55:09] 0.716797 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:55:24] Energy consumed for RAM : 0.088699 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:55:24] Energy consumed for all CPUs : 0.628301 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:55:24] 0.716999 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:55:39] Energy consumed for RAM : 0.088724 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:55:39] Energy consumed for all CPUs : 0.628478 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:55:39] 0.717201 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:55:54] Energy consumed for RAM : 0.088749 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:55:54] Energy consumed for all CPUs : 0.628655 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:55:54] 0.717403 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:56:09] Energy consumed for RAM : 0.088774 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:56:09] Energy consumed for all CPUs : 0.628832 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:56:09] 0.717606 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:56:24] Energy consumed for RAM : 0.088799 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:56:24] Energy consumed for all CPUs : 0.629009 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:56:24] 0.717808 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:56:39] Energy consumed for RAM : 0.088824 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:56:39] Energy consumed for all CPUs : 0.629186 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:56:39] 0.718010 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:56:54] Energy consumed for RAM : 0.088849 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:56:54] Energy consumed for all CPUs : 0.629363 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:56:54] 0.718212 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:57:09] Energy consumed for RAM : 0.088874 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:57:09] Energy consumed for all CPUs : 0.629540 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:57:09] 0.718414 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:57:24] Energy consumed for RAM : 0.088899 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:57:24] Energy consumed for all CPUs : 0.629717 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 10:57:24] 0.718616 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:57:39] Energy consumed for RAM : 0.088924 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:57:39] Energy consumed for all CPUs : 0.629894 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:57:39] 0.718818 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:57:54] Energy consumed for RAM : 0.088949 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:57:54] Energy consumed for all CPUs : 0.630072 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:57:54] 0.719020 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:58:09] Energy consumed for RAM : 0.088974 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:58:09] Energy consumed for all CPUs : 0.630249 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:58:09] 0.719222 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:58:24] Energy consumed for RAM : 0.088999 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:58:24] Energy consumed for all CPUs : 0.630426 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:58:24] 0.719424 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:58:39] Energy consumed for RAM : 0.089024 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:58:39] Energy consumed for all CPUs : 0.630603 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:58:39] 0.719626 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:58:54] Energy consumed for RAM : 0.089049 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:58:54] Energy consumed for all CPUs : 0.630780 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:58:54] 0.719829 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:59:09] Energy consumed for RAM : 0.089074 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:59:09] Energy consumed for all CPUs : 0.630957 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:59:09] 0.720031 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:59:24] Energy consumed for RAM : 0.089099 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:59:24] Energy consumed for all CPUs : 0.631134 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:59:24] 0.720233 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:59:39] Energy consumed for RAM : 0.089124 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:59:39] Energy consumed for all CPUs : 0.631311 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:59:39] 0.720435 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:59:54] Energy consumed for RAM : 0.089149 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:59:54] Energy consumed for all CPUs : 0.631488 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 10:59:54] 0.720637 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:00:09] Energy consumed for RAM : 0.089174 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:00:09] Energy consumed for all CPUs : 0.631665 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:00:09] 0.720839 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:00:24] Energy consumed for RAM : 0.089199 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:00:24] Energy consumed for all CPUs : 0.631843 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:00:24] 0.721041 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:00:39] Energy consumed for RAM : 0.089224 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:00:39] Energy consumed for all CPUs : 0.632020 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:00:39] 0.721243 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:00:54] Energy consumed for RAM : 0.089249 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:00:54] Energy consumed for all CPUs : 0.632197 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:00:54] 0.721445 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:01:09] Energy consumed for RAM : 0.089274 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:01:09] Energy consumed for all CPUs : 0.632374 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:01:09] 0.721647 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:01:24] Energy consumed for RAM : 0.089299 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:01:24] Energy consumed for all CPUs : 0.632551 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:01:24] 0.721849 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:01:39] Energy consumed for RAM : 0.089324 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:01:39] Energy consumed for all CPUs : 0.632728 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:01:39] 0.722051 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:01:54] Energy consumed for RAM : 0.089349 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:01:54] Energy consumed for all CPUs : 0.632905 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:01:54] 0.722253 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:02:09] Energy consumed for RAM : 0.089374 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:02:09] Energy consumed for all CPUs : 0.633082 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:02:09] 0.722456 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:02:24] Energy consumed for RAM : 0.089399 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:02:24] Energy consumed for all CPUs : 0.633259 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 11:02:24] 0.722658 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:02:39] Energy consumed for RAM : 0.089424 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:02:39] Energy consumed for all CPUs : 0.633436 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:02:39] 0.722860 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:02:54] Energy consumed for RAM : 0.089449 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:02:54] Energy consumed for all CPUs : 0.633613 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:02:54] 0.723062 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:03:09] Energy consumed for RAM : 0.089474 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:03:09] Energy consumed for all CPUs : 0.633790 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:03:09] 0.723264 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:03:24] Energy consumed for RAM : 0.089499 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:03:24] Energy consumed for all CPUs : 0.633967 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:03:24] 0.723466 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:03:39] Energy consumed for RAM : 0.089524 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:03:39] Energy consumed for all CPUs : 0.634145 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:03:39] 0.723668 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:03:54] Energy consumed for RAM : 0.089549 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:03:54] Energy consumed for all CPUs : 0.634322 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:03:54] 0.723870 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:04:09] Energy consumed for RAM : 0.089574 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:04:09] Energy consumed for all CPUs : 0.634499 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:04:09] 0.724072 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:04:24] Energy consumed for RAM : 0.089599 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:04:24] Energy consumed for all CPUs : 0.634676 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:04:24] 0.724274 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:04:39] Energy consumed for RAM : 0.089624 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:04:39] Energy consumed for all CPUs : 0.634853 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:04:39] 0.724476 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:04:54] Energy consumed for RAM : 0.089649 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:04:54] Energy consumed for all CPUs : 0.635030 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 11:04:54] 0.724679 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:05:09] Energy consumed for RAM : 0.089674 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:05:09] Energy consumed for all CPUs : 0.635207 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:05:09] 0.724881 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:05:24] Energy consumed for RAM : 0.089699 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:05:24] Energy consumed for all CPUs : 0.635384 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:05:24] 0.725083 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:05:39] Energy consumed for RAM : 0.089724 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:05:39] Energy consumed for all CPUs : 0.635561 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:05:39] 0.725285 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:05:54] Energy consumed for RAM : 0.089749 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:05:54] Energy consumed for all CPUs : 0.635738 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:05:54] 0.725487 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:06:09] Energy consumed for RAM : 0.089774 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:06:09] Energy consumed for all CPUs : 0.635915 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:06:09] 0.725689 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:06:24] Energy consumed for RAM : 0.089799 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:06:24] Energy consumed for all CPUs : 0.636093 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:06:24] 0.725891 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:06:39] Energy consumed for RAM : 0.089824 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:06:39] Energy consumed for all CPUs : 0.636270 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:06:39] 0.726093 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:06:54] Energy consumed for RAM : 0.089849 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:06:54] Energy consumed for all CPUs : 0.636447 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:06:54] 0.726295 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:07:09] Energy consumed for RAM : 0.089874 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:07:09] Energy consumed for all CPUs : 0.636624 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:07:09] 0.726497 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:07:24] Energy consumed for RAM : 0.089899 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:07:24] Energy consumed for all CPUs : 0.636801 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 11:07:24] 0.726700 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:07:39] Energy consumed for RAM : 0.089924 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:07:39] Energy consumed for all CPUs : 0.636978 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:07:39] 0.726902 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:07:54] Energy consumed for RAM : 0.089949 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:07:54] Energy consumed for all CPUs : 0.637155 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:07:54] 0.727104 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:08:09] Energy consumed for RAM : 0.089974 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:08:09] Energy consumed for all CPUs : 0.637332 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:08:09] 0.727306 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:08:24] Energy consumed for RAM : 0.089999 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:08:24] Energy consumed for all CPUs : 0.637509 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:08:24] 0.727508 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:08:39] Energy consumed for RAM : 0.090024 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:08:39] Energy consumed for all CPUs : 0.637686 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:08:40] 0.727710 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:08:55] Energy consumed for RAM : 0.090049 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:08:55] Energy consumed for all CPUs : 0.637864 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:08:55] 0.727912 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:09:10] Energy consumed for RAM : 0.090074 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:09:10] Energy consumed for all CPUs : 0.638041 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:09:10] 0.728114 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:09:25] Energy consumed for RAM : 0.090099 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:09:25] Energy consumed for all CPUs : 0.638218 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:09:25] 0.728316 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:09:40] Energy consumed for RAM : 0.090124 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:09:40] Energy consumed for all CPUs : 0.638395 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:09:40] 0.728518 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:09:55] Energy consumed for RAM : 0.090149 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:09:55] Energy consumed for all CPUs : 0.638572 kWh. Tota
l CPU Power : 42.5 W
```

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[codecarbon INFO @ 11:09:55] 0.728720 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:10:10] Energy consumed for RAM : 0.090174 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:10:10] Energy consumed for all CPUs : 0.638749 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:10:10] 0.728922 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:10:25] Energy consumed for RAM : 0.090199 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:10:25] Energy consumed for all CPUs : 0.638926 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:10:25] 0.729125 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:10:40] Energy consumed for RAM : 0.090224 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:10:40] Energy consumed for all CPUs : 0.639103 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:10:40] 0.729327 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:10:55] Energy consumed for RAM : 0.090249 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:10:55] Energy consumed for all CPUs : 0.639280 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:10:55] 0.729529 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:11:10] Energy consumed for RAM : 0.090274 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:11:10] Energy consumed for all CPUs : 0.639457 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:11:10] 0.729731 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:11:25] Energy consumed for RAM : 0.090299 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:11:25] Energy consumed for all CPUs : 0.639634 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:11:25] 0.729933 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:11:40] Energy consumed for RAM : 0.090324 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:11:40] Energy consumed for all CPUs : 0.639811 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:11:40] 0.730135 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:11:55] Energy consumed for RAM : 0.090349 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:11:55] Energy consumed for all CPUs : 0.639989 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:11:55] 0.730337 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:12:10] Energy consumed for RAM : 0.090374 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:12:10] Energy consumed for all CPUs : 0.640166 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:12:10] 0.730539 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:12:25] Energy consumed for RAM : 0.090399 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:12:25] Energy consumed for all CPUs : 0.640343 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 11:12:25] 0.730741 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:12:40] Energy consumed for RAM : 0.090424 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:12:40] Energy consumed for all CPUs : 0.640520 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:12:40] 0.730943 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:12:55] Energy consumed for RAM : 0.090449 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:12:55] Energy consumed for all CPUs : 0.640697 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:12:55] 0.731145 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:13:10] Energy consumed for RAM : 0.090474 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:13:10] Energy consumed for all CPUs : 0.640874 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:13:10] 0.731348 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:13:25] Energy consumed for RAM : 0.090499 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:13:25] Energy consumed for all CPUs : 0.641051 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:13:25] 0.731550 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:13:40] Energy consumed for RAM : 0.090524 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:13:40] Energy consumed for all CPUs : 0.641228 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:13:40] 0.731752 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:13:55] Energy consumed for RAM : 0.090549 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:13:55] Energy consumed for all CPUs : 0.641405 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:13:55] 0.731954 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:14:10] Energy consumed for RAM : 0.090574 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:14:10] Energy consumed for all CPUs : 0.641582 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:14:10] 0.732156 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:14:25] Energy consumed for RAM : 0.090599 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:14:25] Energy consumed for all CPUs : 0.641759 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:14:25] 0.732358 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:14:40] Energy consumed for RAM : 0.090624 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:14:40] Energy consumed for all CPUs : 0.641937 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:14:40] 0.732560 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:14:55] Energy consumed for RAM : 0.090648 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:14:55] Energy consumed for all CPUs : 0.642114 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 11:14:55] 0.732762 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:15:10] Energy consumed for RAM : 0.090673 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:15:10] Energy consumed for all CPUs : 0.642291 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:15:10] 0.732964 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:15:25] Energy consumed for RAM : 0.090698 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:15:25] Energy consumed for all CPUs : 0.642468 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:15:25] 0.733166 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:15:40] Energy consumed for RAM : 0.090723 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:15:40] Energy consumed for all CPUs : 0.642645 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:15:40] 0.733368 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:15:55] Energy consumed for RAM : 0.090748 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:15:55] Energy consumed for all CPUs : 0.642822 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:15:55] 0.733570 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:16:10] Energy consumed for RAM : 0.090773 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:16:10] Energy consumed for all CPUs : 0.642999 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:16:10] 0.733772 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:16:25] Energy consumed for RAM : 0.090798 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:16:25] Energy consumed for all CPUs : 0.643176 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:16:25] 0.733975 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:16:40] Energy consumed for RAM : 0.090823 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:16:40] Energy consumed for all CPUs : 0.643353 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:16:40] 0.734177 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:16:55] Energy consumed for RAM : 0.090848 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:16:55] Energy consumed for all CPUs : 0.643530 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:16:55] 0.734379 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:17:10] Energy consumed for RAM : 0.090873 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:17:10] Energy consumed for all CPUs : 0.643707 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:17:10] 0.734581 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:17:25] Energy consumed for RAM : 0.090898 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:17:25] Energy consumed for all CPUs : 0.643884 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 11:17:25] 0.734783 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:17:40] Energy consumed for RAM : 0.090923 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:17:40] Energy consumed for all CPUs : 0.644062 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:17:40] 0.734985 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:17:55] Energy consumed for RAM : 0.090948 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:17:55] Energy consumed for all CPUs : 0.644239 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:17:55] 0.735187 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:18:10] Energy consumed for RAM : 0.090973 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:18:10] Energy consumed for all CPUs : 0.644416 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:18:10] 0.735389 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:18:25] Energy consumed for RAM : 0.090998 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:18:25] Energy consumed for all CPUs : 0.644593 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:18:25] 0.735591 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:18:40] Energy consumed for RAM : 0.091023 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:18:40] Energy consumed for all CPUs : 0.644770 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:18:40] 0.735793 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:18:55] Energy consumed for RAM : 0.091048 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:18:55] Energy consumed for all CPUs : 0.644947 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:18:55] 0.735996 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:19:10] Energy consumed for RAM : 0.091073 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:19:10] Energy consumed for all CPUs : 0.645124 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:19:10] 0.736198 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:19:25] Energy consumed for RAM : 0.091098 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:19:25] Energy consumed for all CPUs : 0.645301 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:19:25] 0.736400 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:19:40] Energy consumed for RAM : 0.091123 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:19:40] Energy consumed for all CPUs : 0.645478 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:19:40] 0.736602 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:19:55] Energy consumed for RAM : 0.091148 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:19:55] Energy consumed for all CPUs : 0.645655 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 11:19:55] 0.736804 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:20:10] Energy consumed for RAM : 0.091173 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:20:10] Energy consumed for all CPUs : 0.645833 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:20:10] 0.737006 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:20:25] Energy consumed for RAM : 0.091198 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:20:25] Energy consumed for all CPUs : 0.646010 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:20:25] 0.737208 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:20:40] Energy consumed for RAM : 0.091223 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:20:40] Energy consumed for all CPUs : 0.646187 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:20:40] 0.737410 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:20:55] Energy consumed for RAM : 0.091248 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:20:55] Energy consumed for all CPUs : 0.646364 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:20:55] 0.737612 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:21:10] Energy consumed for RAM : 0.091273 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:21:10] Energy consumed for all CPUs : 0.646541 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:21:10] 0.737814 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:21:25] Energy consumed for RAM : 0.091298 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:21:25] Energy consumed for all CPUs : 0.646718 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:21:25] 0.738016 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:21:40] Energy consumed for RAM : 0.091323 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:21:40] Energy consumed for all CPUs : 0.646895 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:21:40] 0.738219 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:21:55] Energy consumed for RAM : 0.091348 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:21:55] Energy consumed for all CPUs : 0.647072 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:21:55] 0.738421 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:22:10] Energy consumed for RAM : 0.091373 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:22:10] Energy consumed for all CPUs : 0.647249 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:22:10] 0.738623 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:22:25] Energy consumed for RAM : 0.091398 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:22:25] Energy consumed for all CPUs : 0.647426 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 11:22:25] 0.738825 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:22:40] Energy consumed for RAM : 0.091423 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:22:40] Energy consumed for all CPUs : 0.647604 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:22:40] 0.739027 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:22:55] Energy consumed for RAM : 0.091448 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:22:55] Energy consumed for all CPUs : 0.647781 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:22:55] 0.739229 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:23:10] Energy consumed for RAM : 0.091473 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:23:10] Energy consumed for all CPUs : 0.647958 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:23:10] 0.739431 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:23:25] Energy consumed for RAM : 0.091498 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:23:25] Energy consumed for all CPUs : 0.648135 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:23:25] 0.739633 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:23:40] Energy consumed for RAM : 0.091523 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:23:40] Energy consumed for all CPUs : 0.648312 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:23:40] 0.739835 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:23:55] Energy consumed for RAM : 0.091548 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:23:55] Energy consumed for all CPUs : 0.648489 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:23:55] 0.740037 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:24:10] Energy consumed for RAM : 0.091573 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:24:10] Energy consumed for all CPUs : 0.648666 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:24:10] 0.740239 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:24:25] Energy consumed for RAM : 0.091598 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:24:25] Energy consumed for all CPUs : 0.648843 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:24:25] 0.740441 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:24:40] Energy consumed for RAM : 0.091623 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:24:40] Energy consumed for all CPUs : 0.649020 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:24:40] 0.740644 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:24:55] Energy consumed for RAM : 0.091648 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:24:55] Energy consumed for all CPUs : 0.649197 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 11:24:55] 0.740846 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:25:10] Energy consumed for RAM : 0.091673 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:25:10] Energy consumed for all CPUs : 0.649374 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:25:10] 0.741048 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:25:25] Energy consumed for RAM : 0.091698 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:25:25] Energy consumed for all CPUs : 0.649551 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:25:25] 0.741250 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:25:40] Energy consumed for RAM : 0.091723 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:25:40] Energy consumed for all CPUs : 0.649728 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:25:40] 0.741452 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:25:55] Energy consumed for RAM : 0.091748 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:25:55] Energy consumed for all CPUs : 0.649906 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:25:55] 0.741654 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:26:10] Energy consumed for RAM : 0.091773 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:26:10] Energy consumed for all CPUs : 0.650083 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:26:10] 0.741857 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:26:25] Energy consumed for RAM : 0.091798 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:26:25] Energy consumed for all CPUs : 0.650260 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:26:25] 0.742059 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:26:40] Energy consumed for RAM : 0.091823 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:26:40] Energy consumed for all CPUs : 0.650437 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:26:40] 0.742261 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:26:55] Energy consumed for RAM : 0.091848 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:26:55] Energy consumed for all CPUs : 0.650614 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:26:55] 0.742463 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:27:10] Energy consumed for RAM : 0.091873 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:27:10] Energy consumed for all CPUs : 0.650791 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:27:10] 0.742665 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:27:25] Energy consumed for RAM : 0.091898 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:27:25] Energy consumed for all CPUs : 0.650968 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 11:27:25] 0.742867 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:27:40] Energy consumed for RAM : 0.091923 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:27:40] Energy consumed for all CPUs : 0.651145 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:27:40] 0.743069 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:27:55] Energy consumed for RAM : 0.091948 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:27:55] Energy consumed for all CPUs : 0.651323 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:27:55] 0.743271 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:28:10] Energy consumed for RAM : 0.091973 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:28:10] Energy consumed for all CPUs : 0.651500 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:28:10] 0.743473 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:28:25] Energy consumed for RAM : 0.091998 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:28:25] Energy consumed for all CPUs : 0.651677 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:28:25] 0.743675 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:28:40] Energy consumed for RAM : 0.092023 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:28:40] Energy consumed for all CPUs : 0.651854 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:28:40] 0.743877 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:28:55] Energy consumed for RAM : 0.092048 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:28:55] Energy consumed for all CPUs : 0.652031 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:28:55] 0.744079 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:29:10] Energy consumed for RAM : 0.092073 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:29:10] Energy consumed for all CPUs : 0.652208 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:29:10] 0.744281 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:29:25] Energy consumed for RAM : 0.092098 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:29:25] Energy consumed for all CPUs : 0.652385 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:29:25] 0.744484 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:29:40] Energy consumed for RAM : 0.092123 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:29:40] Energy consumed for all CPUs : 0.652562 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:29:40] 0.744686 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:29:55] Energy consumed for RAM : 0.092148 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:29:55] Energy consumed for all CPUs : 0.652739 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 11:29:55] 0.744888 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:30:10] Energy consumed for RAM : 0.092173 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:30:10] Energy consumed for all CPUs : 0.652916 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:30:10] 0.745090 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:30:25] Energy consumed for RAM : 0.092198 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:30:25] Energy consumed for all CPUs : 0.653093 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:30:25] 0.745292 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:30:40] Energy consumed for RAM : 0.092223 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:30:40] Energy consumed for all CPUs : 0.653271 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:30:40] 0.745494 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:30:55] Energy consumed for RAM : 0.092248 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:30:55] Energy consumed for all CPUs : 0.653448 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:30:55] 0.745696 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:31:10] Energy consumed for RAM : 0.092273 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:31:10] Energy consumed for all CPUs : 0.653625 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:31:10] 0.745898 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:31:25] Energy consumed for RAM : 0.092298 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:31:25] Energy consumed for all CPUs : 0.653802 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:31:25] 0.746100 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:31:40] Energy consumed for RAM : 0.092323 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:31:40] Energy consumed for all CPUs : 0.653979 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:31:40] 0.746302 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:31:55] Energy consumed for RAM : 0.092348 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:31:55] Energy consumed for all CPUs : 0.654156 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:31:55] 0.746504 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:32:10] Energy consumed for RAM : 0.092373 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:32:10] Energy consumed for all CPUs : 0.654333 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:32:10] 0.746706 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:32:25] Energy consumed for RAM : 0.092398 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:32:25] Energy consumed for all CPUs : 0.654510 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 11:32:25] 0.746908 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:32:40] Energy consumed for RAM : 0.092423 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:32:40] Energy consumed for all CPUs : 0.654687 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:32:40] 0.747111 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:32:55] Energy consumed for RAM : 0.092448 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:32:55] Energy consumed for all CPUs : 0.654864 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:32:55] 0.747313 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:33:10] Energy consumed for RAM : 0.092473 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:33:10] Energy consumed for all CPUs : 0.655041 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:33:10] 0.747515 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:33:25] Energy consumed for RAM : 0.092498 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:33:25] Energy consumed for all CPUs : 0.655218 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:33:25] 0.747717 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:33:40] Energy consumed for RAM : 0.092523 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:33:40] Energy consumed for all CPUs : 0.655395 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:33:40] 0.747919 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:33:55] Energy consumed for RAM : 0.092548 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:33:55] Energy consumed for all CPUs : 0.655573 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:33:55] 0.748121 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:34:10] Energy consumed for RAM : 0.092573 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:34:10] Energy consumed for all CPUs : 0.655750 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:34:10] 0.748323 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:34:25] Energy consumed for RAM : 0.092598 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:34:25] Energy consumed for all CPUs : 0.655927 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:34:25] 0.748525 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:34:40] Energy consumed for RAM : 0.092623 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:34:40] Energy consumed for all CPUs : 0.656104 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:34:40] 0.748727 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:34:55] Energy consumed for RAM : 0.092648 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:34:55] Energy consumed for all CPUs : 0.656281 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 11:34:55] 0.748929 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:35:10] Energy consumed for RAM : 0.092673 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:35:10] Energy consumed for all CPUs : 0.656458 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:35:10] 0.749131 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:35:25] Energy consumed for RAM : 0.092698 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:35:25] Energy consumed for all CPUs : 0.656635 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:35:25] 0.749334 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:35:40] Energy consumed for RAM : 0.092723 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:35:40] Energy consumed for all CPUs : 0.656812 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:35:40] 0.749536 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:35:55] Energy consumed for RAM : 0.092748 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:35:55] Energy consumed for all CPUs : 0.656989 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:35:55] 0.749738 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:36:10] Energy consumed for RAM : 0.092773 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:36:10] Energy consumed for all CPUs : 0.657167 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:36:10] 0.749940 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:36:25] Energy consumed for RAM : 0.092798 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:36:25] Energy consumed for all CPUs : 0.657344 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:36:25] 0.750142 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:36:40] Energy consumed for RAM : 0.092823 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:36:40] Energy consumed for all CPUs : 0.657521 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:36:40] 0.750344 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:36:55] Energy consumed for RAM : 0.092848 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:36:55] Energy consumed for all CPUs : 0.657698 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:36:55] 0.750546 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:37:10] Energy consumed for RAM : 0.092873 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:37:10] Energy consumed for all CPUs : 0.657875 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:37:10] 0.750748 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:37:25] Energy consumed for RAM : 0.092898 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:37:25] Energy consumed for all CPUs : 0.658052 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 11:37:25] 0.750950 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:37:40] Energy consumed for RAM : 0.092923 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:37:40] Energy consumed for all CPUs : 0.658229 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:37:40] 0.751153 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:37:55] Energy consumed for RAM : 0.092948 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:37:55] Energy consumed for all CPUs : 0.658406 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:37:55] 0.751355 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:38:10] Energy consumed for RAM : 0.092973 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:38:10] Energy consumed for all CPUs : 0.658583 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:38:10] 0.751557 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:38:25] Energy consumed for RAM : 0.092998 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:38:25] Energy consumed for all CPUs : 0.658760 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:38:25] 0.751759 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:38:40] Energy consumed for RAM : 0.093023 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:38:40] Energy consumed for all CPUs : 0.658938 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:38:40] 0.751961 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:38:55] Energy consumed for RAM : 0.093048 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:38:55] Energy consumed for all CPUs : 0.659115 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:38:55] 0.752163 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:39:10] Energy consumed for RAM : 0.093073 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:39:10] Energy consumed for all CPUs : 0.659292 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:39:10] 0.752365 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:39:25] Energy consumed for RAM : 0.093098 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:39:25] Energy consumed for all CPUs : 0.659469 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:39:25] 0.752567 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:39:40] Energy consumed for RAM : 0.093123 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:39:40] Energy consumed for all CPUs : 0.659646 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:39:40] 0.752769 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:39:55] Energy consumed for RAM : 0.093148 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:39:55] Energy consumed for all CPUs : 0.659823 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 11:39:55] 0.752971 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:40:10] Energy consumed for RAM : 0.093173 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:40:10] Energy consumed for all CPUs : 0.660000 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:40:10] 0.753174 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:40:25] Energy consumed for RAM : 0.093198 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:40:25] Energy consumed for all CPUs : 0.660177 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:40:25] 0.753376 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:40:40] Energy consumed for RAM : 0.093223 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:40:40] Energy consumed for all CPUs : 0.660354 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:40:40] 0.753578 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:40:55] Energy consumed for RAM : 0.093248 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:40:55] Energy consumed for all CPUs : 0.660532 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:40:55] 0.753780 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:41:10] Energy consumed for RAM : 0.093273 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:41:10] Energy consumed for all CPUs : 0.660709 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:41:10] 0.753982 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:41:25] Energy consumed for RAM : 0.093298 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:41:25] Energy consumed for all CPUs : 0.660886 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:41:25] 0.754184 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:41:40] Energy consumed for RAM : 0.093323 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:41:40] Energy consumed for all CPUs : 0.661063 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:41:40] 0.754387 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:41:55] Energy consumed for RAM : 0.093348 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:41:55] Energy consumed for all CPUs : 0.661240 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:41:55] 0.754589 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:42:10] Energy consumed for RAM : 0.093373 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:42:10] Energy consumed for all CPUs : 0.661417 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:42:10] 0.754791 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:42:25] Energy consumed for RAM : 0.093398 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:42:25] Energy consumed for all CPUs : 0.661595 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 11:42:25] 0.754993 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:42:40] Energy consumed for RAM : 0.093423 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:42:40] Energy consumed for all CPUs : 0.661772 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:42:40] 0.755195 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:42:55] Energy consumed for RAM : 0.093448 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:42:55] Energy consumed for all CPUs : 0.661949 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:42:55] 0.755397 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:43:10] Energy consumed for RAM : 0.093473 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:43:10] Energy consumed for all CPUs : 0.662126 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:43:10] 0.755599 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:43:25] Energy consumed for RAM : 0.093498 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:43:25] Energy consumed for all CPUs : 0.662303 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:43:25] 0.755802 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:43:40] Energy consumed for RAM : 0.093523 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:43:40] Energy consumed for all CPUs : 0.662480 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:43:40] 0.756004 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:43:55] Energy consumed for RAM : 0.093549 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:43:55] Energy consumed for all CPUs : 0.662657 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:43:55] 0.756206 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:44:10] Energy consumed for RAM : 0.093574 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:44:10] Energy consumed for all CPUs : 0.662835 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:44:10] 0.756408 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:44:25] Energy consumed for RAM : 0.093599 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:44:25] Energy consumed for all CPUs : 0.663012 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:44:25] 0.756610 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:44:40] Energy consumed for RAM : 0.093624 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:44:40] Energy consumed for all CPUs : 0.663189 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:44:40] 0.756812 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:44:55] Energy consumed for RAM : 0.093649 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:44:55] Energy consumed for all CPUs : 0.663366 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 11:44:55] 0.757015 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:45:10] Energy consumed for RAM : 0.093674 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:45:10] Energy consumed for all CPUs : 0.663543 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:45:10] 0.757217 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:45:25] Energy consumed for RAM : 0.093699 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:45:25] Energy consumed for all CPUs : 0.663720 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:45:25] 0.757419 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:45:40] Energy consumed for RAM : 0.093724 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:45:40] Energy consumed for all CPUs : 0.663898 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:45:40] 0.757621 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:45:55] Energy consumed for RAM : 0.093749 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:45:55] Energy consumed for all CPUs : 0.664075 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:45:55] 0.757823 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:46:10] Energy consumed for RAM : 0.093774 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:46:10] Energy consumed for all CPUs : 0.664252 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:46:10] 0.758025 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:46:25] Energy consumed for RAM : 0.093799 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:46:25] Energy consumed for all CPUs : 0.664429 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:46:25] 0.758227 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:46:40] Energy consumed for RAM : 0.093824 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:46:40] Energy consumed for all CPUs : 0.664606 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:46:40] 0.758430 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:46:55] Energy consumed for RAM : 0.093849 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:46:55] Energy consumed for all CPUs : 0.664783 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:46:55] 0.758632 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:47:10] Energy consumed for RAM : 0.093874 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:47:10] Energy consumed for all CPUs : 0.664960 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:47:10] 0.758834 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:47:25] Energy consumed for RAM : 0.093899 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:47:25] Energy consumed for all CPUs : 0.665137 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 11:47:25] 0.759036 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:47:40] Energy consumed for RAM : 0.093924 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:47:40] Energy consumed for all CPUs : 0.665315 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:47:40] 0.759238 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:47:55] Energy consumed for RAM : 0.093949 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:47:55] Energy consumed for all CPUs : 0.665492 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:47:55] 0.759440 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:48:10] Energy consumed for RAM : 0.093974 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:48:10] Energy consumed for all CPUs : 0.665669 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:48:10] 0.759643 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:48:25] Energy consumed for RAM : 0.093999 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:48:25] Energy consumed for all CPUs : 0.665846 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:48:25] 0.759845 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:48:40] Energy consumed for RAM : 0.094024 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:48:40] Energy consumed for all CPUs : 0.666023 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:48:40] 0.760047 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:48:55] Energy consumed for RAM : 0.094049 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:48:55] Energy consumed for all CPUs : 0.666200 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:48:55] 0.760249 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:49:10] Energy consumed for RAM : 0.094074 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:49:10] Energy consumed for all CPUs : 0.666377 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:49:10] 0.760451 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:49:25] Energy consumed for RAM : 0.094099 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:49:25] Energy consumed for all CPUs : 0.666555 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:49:25] 0.760653 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:49:40] Energy consumed for RAM : 0.094124 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:49:40] Energy consumed for all CPUs : 0.666732 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:49:40] 0.760855 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:49:55] Energy consumed for RAM : 0.094149 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:49:55] Energy consumed for all CPUs : 0.666909 kWh. Tota
l CPU Power : 42.5 W
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[codecarbon INFO @ 11:49:55] 0.761058 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 11:50:08] Energy consumed for RAM : 0.094171 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:50:08] Energy consumed for all CPUs : 0.667065 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:50:08] 0.761236 kWh of electricity used since the beginn
ing.
[codecarbon WARNING @ 12:00:42] Background scheduler didn't run for a long per
iod (633s), results might be inaccurate
[codecarbon INFO @ 12:00:42] Energy consumed for RAM : 0.095227 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:00:42] Energy consumed for all CPUs : 0.674547 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:00:42] 0.769774 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:00:57] Energy consumed for RAM : 0.095252 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:00:57] Energy consumed for all CPUs : 0.674724 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:00:57] 0.769976 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:01:12] Energy consumed for RAM : 0.095277 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:01:12] Energy consumed for all CPUs : 0.674901 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:01:12] 0.770178 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:01:27] Energy consumed for RAM : 0.095302 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:01:27] Energy consumed for all CPUs : 0.675078 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:01:27] 0.770380 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:01:42] Energy consumed for RAM : 0.095327 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:01:42] Energy consumed for all CPUs : 0.675256 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:01:42] 0.770583 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:01:57] Energy consumed for RAM : 0.095352 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:01:57] Energy consumed for all CPUs : 0.675433 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:01:57] 0.770785 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:02:12] Energy consumed for RAM : 0.095377 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:02:12] Energy consumed for all CPUs : 0.675610 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:02:12] 0.770987 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:02:27] Energy consumed for RAM : 0.095402 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:02:27] Energy consumed for all CPUs : 0.675787 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:02:27] 0.771189 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:02:42] Energy consumed for RAM : 0.095427 kWh. RAM Power
: 6.0 W
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[codecarbon INFO @ 12:02:42] Energy consumed for all CPUs : 0.675964 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:02:42] 0.771391 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:02:57] Energy consumed for RAM : 0.095452 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:02:57] Energy consumed for all CPUs : 0.676141 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:02:57] 0.771593 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:03:12] Energy consumed for RAM : 0.095477 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:03:12] Energy consumed for all CPUs : 0.676318 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:03:12] 0.771795 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:03:27] Energy consumed for RAM : 0.095502 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:03:27] Energy consumed for all CPUs : 0.676495 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:03:27] 0.771997 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:03:42] Energy consumed for RAM : 0.095527 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:03:42] Energy consumed for all CPUs : 0.676672 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:03:42] 0.772199 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:03:57] Energy consumed for RAM : 0.095552 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:03:57] Energy consumed for all CPUs : 0.676848 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:03:57] 0.772400 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:04:12] Energy consumed for RAM : 0.095577 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:04:12] Energy consumed for all CPUs : 0.677025 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:04:12] 0.772602 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:04:27] Energy consumed for RAM : 0.095602 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:04:27] Energy consumed for all CPUs : 0.677202 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:04:27] 0.772804 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:04:42] Energy consumed for RAM : 0.095627 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:04:42] Energy consumed for all CPUs : 0.677379 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:04:42] 0.773006 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:04:57] Energy consumed for RAM : 0.095652 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:04:57] Energy consumed for all CPUs : 0.677556 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:04:57] 0.773208 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:05:12] Energy consumed for RAM : 0.095677 kWh. RAM Power
: 6.0 W
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[codecarbon INFO @ 12:05:12] Energy consumed for all CPUs : 0.677734 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:05:12] 0.773410 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:05:27] Energy consumed for RAM : 0.095702 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:05:27] Energy consumed for all CPUs : 0.677911 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:05:27] 0.773612 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:05:42] Energy consumed for RAM : 0.095727 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:05:42] Energy consumed for all CPUs : 0.678088 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:05:42] 0.773814 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:05:57] Energy consumed for RAM : 0.095752 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:05:57] Energy consumed for all CPUs : 0.678265 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:05:57] 0.774017 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:06:12] Energy consumed for RAM : 0.095777 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:06:12] Energy consumed for all CPUs : 0.678442 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:06:12] 0.774218 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:06:27] Energy consumed for RAM : 0.095802 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:06:27] Energy consumed for all CPUs : 0.678619 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:06:27] 0.774420 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:06:42] Energy consumed for RAM : 0.095827 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:06:42] Energy consumed for all CPUs : 0.678796 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:06:42] 0.774622 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:06:57] Energy consumed for RAM : 0.095852 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:06:57] Energy consumed for all CPUs : 0.678973 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:06:57] 0.774825 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:07:12] Energy consumed for RAM : 0.095877 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:07:12] Energy consumed for all CPUs : 0.679150 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:07:12] 0.775027 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:07:27] Energy consumed for RAM : 0.095902 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:07:27] Energy consumed for all CPUs : 0.679327 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:07:27] 0.775229 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:07:42] Energy consumed for RAM : 0.095927 kWh. RAM Power
: 6.0 W
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[codecarbon INFO @ 12:07:42] Energy consumed for all CPUs : 0.679504 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:07:42] 0.775431 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:07:57] Energy consumed for RAM : 0.095952 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:07:57] Energy consumed for all CPUs : 0.679681 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:07:57] 0.775633 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:08:12] Energy consumed for RAM : 0.095977 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:08:12] Energy consumed for all CPUs : 0.679858 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:08:12] 0.775835 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:08:27] Energy consumed for RAM : 0.096002 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:08:27] Energy consumed for all CPUs : 0.680035 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:08:27] 0.776037 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:08:42] Energy consumed for RAM : 0.096027 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:08:42] Energy consumed for all CPUs : 0.680212 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:08:42] 0.776239 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:08:57] Energy consumed for RAM : 0.096052 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:08:57] Energy consumed for all CPUs : 0.680389 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:08:57] 0.776441 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:09:12] Energy consumed for RAM : 0.096077 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:09:12] Energy consumed for all CPUs : 0.680566 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:09:12] 0.776643 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:09:27] Energy consumed for RAM : 0.096102 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:09:27] Energy consumed for all CPUs : 0.680743 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:09:27] 0.776845 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:09:42] Energy consumed for RAM : 0.096127 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:09:42] Energy consumed for all CPUs : 0.680920 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:09:42] 0.777047 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:09:57] Energy consumed for RAM : 0.096152 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:09:57] Energy consumed for all CPUs : 0.681097 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:09:57] 0.777249 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:10:12] Energy consumed for RAM : 0.096177 kWh. RAM Power
: 6.0 W
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[codecarbon INFO @ 12:10:12] Energy consumed for all CPUs : 0.681274 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:10:12] 0.777451 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:10:27] Energy consumed for RAM : 0.096202 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:10:27] Energy consumed for all CPUs : 0.681451 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:10:27] 0.777653 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:10:42] Energy consumed for RAM : 0.096227 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:10:42] Energy consumed for all CPUs : 0.681629 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:10:42] 0.777855 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:10:57] Energy consumed for RAM : 0.096252 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:10:57] Energy consumed for all CPUs : 0.681806 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:10:57] 0.778057 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:11:12] Energy consumed for RAM : 0.096277 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:11:12] Energy consumed for all CPUs : 0.681983 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:11:12] 0.778259 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:11:27] Energy consumed for RAM : 0.096302 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:11:27] Energy consumed for all CPUs : 0.682160 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:11:27] 0.778461 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:11:42] Energy consumed for RAM : 0.096327 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:11:42] Energy consumed for all CPUs : 0.682337 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:11:42] 0.778663 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:11:57] Energy consumed for RAM : 0.096352 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:11:57] Energy consumed for all CPUs : 0.682514 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:11:57] 0.778865 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:12:12] Energy consumed for RAM : 0.096377 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:12:12] Energy consumed for all CPUs : 0.682691 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:12:12] 0.779067 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:12:27] Energy consumed for RAM : 0.096401 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:12:27] Energy consumed for all CPUs : 0.682868 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:12:27] 0.779269 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:12:42] Energy consumed for RAM : 0.096426 kWh. RAM Power
: 6.0 W
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[codecarbon INFO @ 12:12:42] Energy consumed for all CPUs : 0.683045 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:12:42] 0.779471 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:12:57] Energy consumed for RAM : 0.096451 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:12:57] Energy consumed for all CPUs : 0.683222 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:12:57] 0.779674 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:13:12] Energy consumed for RAM : 0.096476 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:13:12] Energy consumed for all CPUs : 0.683399 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:13:12] 0.779875 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:13:27] Energy consumed for RAM : 0.096501 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:13:27] Energy consumed for all CPUs : 0.683576 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:13:27] 0.780077 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:13:42] Energy consumed for RAM : 0.096526 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:13:42] Energy consumed for all CPUs : 0.683753 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:13:42] 0.780279 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:13:57] Energy consumed for RAM : 0.096551 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:13:57] Energy consumed for all CPUs : 0.683930 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:13:57] 0.780481 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:14:12] Energy consumed for RAM : 0.096576 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:14:12] Energy consumed for all CPUs : 0.684107 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:14:12] 0.780683 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:14:27] Energy consumed for RAM : 0.096601 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:14:27] Energy consumed for all CPUs : 0.684284 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:14:27] 0.780885 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:14:42] Energy consumed for RAM : 0.096626 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:14:42] Energy consumed for all CPUs : 0.684460 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:14:42] 0.781086 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:14:57] Energy consumed for RAM : 0.096651 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:14:57] Energy consumed for all CPUs : 0.684637 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:14:57] 0.781288 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:15:12] Energy consumed for RAM : 0.096676 kWh. RAM Power
: 6.0 W
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[codecarbon INFO @ 12:15:12] Energy consumed for all CPUs : 0.684813 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:15:12] 0.781489 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:15:27] Energy consumed for RAM : 0.096701 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:15:27] Energy consumed for all CPUs : 0.684990 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:15:27] 0.781691 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:15:42] Energy consumed for RAM : 0.096726 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:15:42] Energy consumed for all CPUs : 0.685167 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:15:42] 0.781893 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:15:57] Energy consumed for RAM : 0.096751 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:15:57] Energy consumed for all CPUs : 0.685344 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:15:57] 0.782095 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:16:12] Energy consumed for RAM : 0.096776 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:16:12] Energy consumed for all CPUs : 0.685521 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:16:12] 0.782297 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:16:27] Energy consumed for RAM : 0.096801 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:16:27] Energy consumed for all CPUs : 0.685698 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:16:27] 0.782499 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:16:42] Energy consumed for RAM : 0.096826 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:16:42] Energy consumed for all CPUs : 0.685875 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:16:42] 0.782701 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:16:57] Energy consumed for RAM : 0.096851 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:16:57] Energy consumed for all CPUs : 0.686052 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:16:57] 0.782903 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:17:12] Energy consumed for RAM : 0.096876 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:17:12] Energy consumed for all CPUs : 0.686230 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:17:12] 0.783106 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:17:27] Energy consumed for RAM : 0.096901 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:17:27] Energy consumed for all CPUs : 0.686407 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:17:27] 0.783308 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:17:42] Energy consumed for RAM : 0.096926 kWh. RAM Power
: 6.0 W
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[codecarbon INFO @ 12:17:42] Energy consumed for all CPUs : 0.686584 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:17:42] 0.783510 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:17:57] Energy consumed for RAM : 0.096951 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:17:57] Energy consumed for all CPUs : 0.686761 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:17:57] 0.783712 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:18:12] Energy consumed for RAM : 0.096976 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:18:12] Energy consumed for all CPUs : 0.686938 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:18:12] 0.783914 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:18:27] Energy consumed for RAM : 0.097001 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:18:27] Energy consumed for all CPUs : 0.687115 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:18:27] 0.784116 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:18:42] Energy consumed for RAM : 0.097026 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:18:42] Energy consumed for all CPUs : 0.687292 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:18:42] 0.784318 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:18:57] Energy consumed for RAM : 0.097051 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:18:57] Energy consumed for all CPUs : 0.687469 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:18:57] 0.784520 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:19:12] Energy consumed for RAM : 0.097076 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:19:12] Energy consumed for all CPUs : 0.687646 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:19:12] 0.784722 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:19:27] Energy consumed for RAM : 0.097101 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:19:27] Energy consumed for all CPUs : 0.687823 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:19:27] 0.784924 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:19:42] Energy consumed for RAM : 0.097126 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:19:42] Energy consumed for all CPUs : 0.688000 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:19:42] 0.785126 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:19:57] Energy consumed for RAM : 0.097151 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:19:57] Energy consumed for all CPUs : 0.688177 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:19:57] 0.785328 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:20:12] Energy consumed for RAM : 0.097176 kWh. RAM Power
: 6.0 W
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[codecarbon INFO @ 12:20:12] Energy consumed for all CPUs : 0.688354 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:20:12] 0.785530 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:20:27] Energy consumed for RAM : 0.097201 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:20:27] Energy consumed for all CPUs : 0.688531 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:20:27] 0.785732 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:20:42] Energy consumed for RAM : 0.097226 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:20:42] Energy consumed for all CPUs : 0.688708 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:20:42] 0.785934 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:20:57] Energy consumed for RAM : 0.097251 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:20:57] Energy consumed for all CPUs : 0.688885 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:20:57] 0.786136 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:21:12] Energy consumed for RAM : 0.097276 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:21:12] Energy consumed for all CPUs : 0.689062 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:21:12] 0.786338 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:21:27] Energy consumed for RAM : 0.097301 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:21:27] Energy consumed for all CPUs : 0.689239 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:21:27] 0.786540 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:21:42] Energy consumed for RAM : 0.097326 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:21:42] Energy consumed for all CPUs : 0.689416 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:21:42] 0.786742 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:21:57] Energy consumed for RAM : 0.097351 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:21:57] Energy consumed for all CPUs : 0.689593 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:21:57] 0.786944 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:22:12] Energy consumed for RAM : 0.097376 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:22:12] Energy consumed for all CPUs : 0.689770 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:22:12] 0.787146 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:22:27] Energy consumed for RAM : 0.097401 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:22:27] Energy consumed for all CPUs : 0.689947 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:22:27] 0.787348 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:22:42] Energy consumed for RAM : 0.097426 kWh. RAM Power
: 6.0 W
```

```
[codecarbon INFO @ 12:22:42] Energy consumed for all CPUs : 0.690124 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:22:42] 0.787550 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:22:57] Energy consumed for RAM : 0.097451 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:22:57] Energy consumed for all CPUs : 0.690302 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:22:57] 0.787752 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:23:12] Energy consumed for RAM : 0.097476 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:23:12] Energy consumed for all CPUs : 0.690479 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:23:12] 0.787954 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:23:27] Energy consumed for RAM : 0.097501 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:23:27] Energy consumed for all CPUs : 0.690656 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:23:27] 0.788156 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:23:42] Energy consumed for RAM : 0.097526 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:23:42] Energy consumed for all CPUs : 0.690833 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:23:42] 0.788359 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:23:57] Energy consumed for RAM : 0.097551 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:23:57] Energy consumed for all CPUs : 0.691010 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:23:57] 0.788561 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:24:12] Energy consumed for RAM : 0.097576 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:24:12] Energy consumed for all CPUs : 0.691187 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:24:12] 0.788763 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:24:27] Energy consumed for RAM : 0.097601 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:24:27] Energy consumed for all CPUs : 0.691364 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:24:27] 0.788965 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:24:42] Energy consumed for RAM : 0.097626 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:24:42] Energy consumed for all CPUs : 0.691541 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:24:42] 0.789167 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:24:57] Energy consumed for RAM : 0.097651 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:24:57] Energy consumed for all CPUs : 0.691718 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:24:57] 0.789369 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:25:12] Energy consumed for RAM : 0.097676 kWh. RAM Power
: 6.0 W
```

```
[codecarbon INFO @ 12:25:12] Energy consumed for all CPUs : 0.691895 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:25:12] 0.789571 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:25:27] Energy consumed for RAM : 0.097701 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:25:27] Energy consumed for all CPUs : 0.692072 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:25:27] 0.789773 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:25:42] Energy consumed for RAM : 0.097726 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:25:42] Energy consumed for all CPUs : 0.692249 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:25:42] 0.789975 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:25:57] Energy consumed for RAM : 0.097751 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:25:57] Energy consumed for all CPUs : 0.692427 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:25:57] 0.790177 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:26:12] Energy consumed for RAM : 0.097776 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:26:12] Energy consumed for all CPUs : 0.692604 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:26:12] 0.790379 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:26:27] Energy consumed for RAM : 0.097801 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:26:27] Energy consumed for all CPUs : 0.692781 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:26:27] 0.790581 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:26:42] Energy consumed for RAM : 0.097826 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:26:42] Energy consumed for all CPUs : 0.692958 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:26:42] 0.790784 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:26:57] Energy consumed for RAM : 0.097851 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:26:57] Energy consumed for all CPUs : 0.693135 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:26:57] 0.790986 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:27:12] Energy consumed for RAM : 0.097876 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:27:12] Energy consumed for all CPUs : 0.693312 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:27:12] 0.791188 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:27:27] Energy consumed for RAM : 0.097901 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:27:27] Energy consumed for all CPUs : 0.693489 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:27:27] 0.791390 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:27:42] Energy consumed for RAM : 0.097926 kWh. RAM Power
: 6.0 W
```

```
[codecarbon INFO @ 12:27:42] Energy consumed for all CPUs : 0.693666 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:27:42] 0.791592 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:27:57] Energy consumed for RAM : 0.097951 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:27:57] Energy consumed for all CPUs : 0.693843 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:27:57] 0.791794 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:28:12] Energy consumed for RAM : 0.097976 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:28:12] Energy consumed for all CPUs : 0.694020 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:28:12] 0.791996 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:28:27] Energy consumed for RAM : 0.098001 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:28:27] Energy consumed for all CPUs : 0.694197 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:28:27] 0.792198 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:28:42] Energy consumed for RAM : 0.098026 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:28:42] Energy consumed for all CPUs : 0.694374 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:28:42] 0.792400 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:28:57] Energy consumed for RAM : 0.098051 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:28:57] Energy consumed for all CPUs : 0.694551 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:28:57] 0.792602 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:29:12] Energy consumed for RAM : 0.098076 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:29:12] Energy consumed for all CPUs : 0.694728 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:29:12] 0.792804 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:29:27] Energy consumed for RAM : 0.098101 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:29:27] Energy consumed for all CPUs : 0.694905 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:29:27] 0.793006 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:29:42] Energy consumed for RAM : 0.098126 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:29:42] Energy consumed for all CPUs : 0.695083 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:29:42] 0.793208 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:29:57] Energy consumed for RAM : 0.098151 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:29:57] Energy consumed for all CPUs : 0.695260 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:29:57] 0.793410 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:30:12] Energy consumed for RAM : 0.098176 kWh. RAM Power
: 6.0 W
```

```
[codecarbon INFO @ 12:30:12] Energy consumed for all CPUs : 0.695437 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:30:12] 0.793612 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:30:27] Energy consumed for RAM : 0.098201 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:30:27] Energy consumed for all CPUs : 0.695614 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:30:27] 0.793815 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:30:42] Energy consumed for RAM : 0.098226 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:30:42] Energy consumed for all CPUs : 0.695791 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:30:42] 0.794017 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:30:57] Energy consumed for RAM : 0.098251 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:30:57] Energy consumed for all CPUs : 0.695968 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:30:57] 0.794219 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:31:12] Energy consumed for RAM : 0.098276 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:31:12] Energy consumed for all CPUs : 0.696145 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:31:12] 0.794421 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 12:31:27] Energy consumed for RAM : 0.098301 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 12:31:27] Energy consumed for all CPUs : 0.696322 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 12:31:27] 0.794623 kWh of electricity used since the beginn
ing.
```

Neural Network Architecture

The architecture of our neural network.
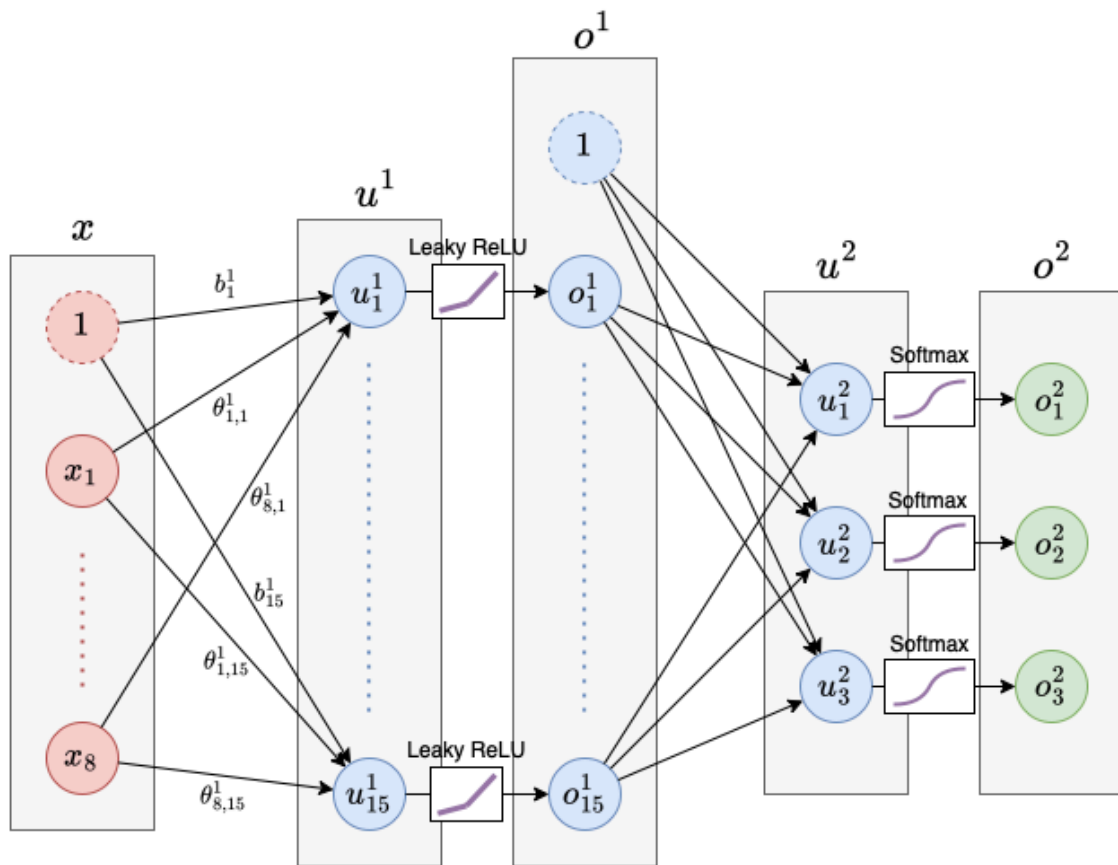
The above diagram shows the dimensions of the neural network you will implement, along with the relationships between the quantities. Note that the neural network consists of two linear layers, with a leaky ReLU activation in between. The logits outputted by the second linear layer are passed through the softmax function, which turns them into probability distributions over the 3 classes.

Here is a helpful guide that walks through the matrix multiplication operations and shapes involved in a forward and backward pass.

Initialization

We start by initializing the weights of the fully connected layer using Xavier initialization. (At a high level, we are using a uniform distribution for weight initialization). This is already implemented for you.

Forward Propagation

During training, we pass all data points through the network, layer by layer, using forward propagation. The equations for forward propagation are as follows:

$$u^{[0]} = x$$
$$u^{[1]} = \theta^{[1]}u^{[0]} + b^{[1]}$$
$$o^{[1]} = \text{Dropout}(\text{LeakyRelu}(u^{[1]}))$$
$$u^{[2]} = \theta^{[2]}o^{[1]} + b^{[2]}$$
$$\hat{y} = o^{[2]} = \text{Softmax}(u^{[2]}).$$

We then use the output of the network to compute the loss

$$CE = -\frac{1}{N}\sum_{i=1}^{N}\left(y_i \cdot log(\hat{y}_i)\right)$$

TODO: Implement the **forward** function in **NN.py**.

Hint: Refer to this guide for more detail on the forward pass.

In [6]:
```python
from utilities.localtests import TestNN

TestNN("test_forward_without_dropout").test_forward_without_dropout()
TestNN("test_forward").test_forward()
```

```
test_forward_without_dropout passed!
test_forward passed!
```
```
[codecarbon INFO @ 10:30:48] Energy consumed for RAM : 0.000075 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:30:48] Energy consumed for all CPUs : 0.000531 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:30:48] 0.000606 kWh of electricity used since the beginn
ing.
```

Backward Propagation: Update Weights and Compute Gradients

After the forward pass, we do back propagation to update the weights and biases in the direction of the negative gradient of the loss function.

Update Weights

So, we update the weights and biases using the following formulas

$$\theta^{[2]} := \theta^{[2]} - lr \times \frac{\partial l}{\partial \theta^{[2]}}$$
$$b^{[2]} := b^{[2]} - lr \times \frac{\partial l}{\partial b^{[2]}}$$
$$\theta^{[1]} := \theta^{[1]} - lr \times \frac{\partial l}{\partial \theta^{[1]}}$$
$$b^{[1]} := b^{[1]} - lr \times \frac{\partial l}{\partial b^{[1]}}$$

where lr is the learning rate. It decides the step size we want to take in the direction of the negative gradient.

TODO: Implement the **update_weights** function in **NN.py** with use_momentum=False.

Hint: Refer to this guide for more detail on the backward pass.

```
In [ ]:  from utilities.localtests import TestNN

         TestNN("test_update_weights").test_update_weights()
```

test_update_weights passed!

```
[codecarbon INFO @ 10:31:03] Energy consumed for RAM : 0.000100 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:31:03] Energy consumed for all CPUs : 0.000708 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:31:03] 0.000808 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:31:18] Energy consumed for RAM : 0.000125 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:31:18] Energy consumed for all CPUs : 0.000886 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:31:18] 0.001011 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:31:33] Energy consumed for RAM : 0.000150 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:31:33] Energy consumed for all CPUs : 0.001063 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:31:33] 0.001213 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:31:48] Energy consumed for RAM : 0.000175 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:31:48] Energy consumed for all CPUs : 0.001240 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:31:48] 0.001415 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:32:03] Energy consumed for RAM : 0.000200 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:32:03] Energy consumed for all CPUs : 0.001417 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:32:03] 0.001617 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:32:18] Energy consumed for RAM : 0.000225 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:32:18] Energy consumed for all CPUs : 0.001594 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:32:18] 0.001819 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:32:33] Energy consumed for RAM : 0.000250 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:32:33] Energy consumed for all CPUs : 0.001771 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:32:33] 0.002021 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:32:48] Energy consumed for RAM : 0.000275 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:32:48] Energy consumed for all CPUs : 0.001948 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:32:48] 0.002223 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:33:03] Energy consumed for RAM : 0.000300 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:33:03] Energy consumed for all CPUs : 0.002125 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:33:03] 0.002425 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:33:18] Energy consumed for RAM : 0.000325 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:33:18] Energy consumed for all CPUs : 0.002302 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:33:18] 0.002627 kWh of electricity used since the beginn
ing.
```

```
[codecarbon INFO @ 10:33:33] Energy consumed for RAM : 0.000350 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:33:33] Energy consumed for all CPUs : 0.002480 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:33:33] 0.002830 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:33:48] Energy consumed for RAM : 0.000375 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:33:48] Energy consumed for all CPUs : 0.002657 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:33:48] 0.003032 kWh of electricity used since the beginn
ing.
```

Update Weights with Momentum [Bonus for Undergrad]

Gradient descent does a generally good job of facilitating the convergence of the model's parameters to minimize the loss function. However, the process of doing so can be slow and/or noisy. **Momentum** is a technique used to stabilize this convergence.

As a reminder, vanilla gradient descent applies the following update function to the parameters:

$$\theta_{t+1} = \theta_t - \alpha \nabla f(\theta_t) \tag{1}$$

where θ_t represents the parameters at time t, α represents the learning rate, and f is the loss function.

Momentum proposes the following tweak to our parameter update function:

$$z_{t+1} = \beta z_t + \nabla f(\theta_t)$$
$$\theta_{t+1} = \theta_t - \alpha z_{t+1}$$

where $\beta \in [0, 1]$ is the momentum constant and z_t represents the momentum records at time t.

You can think of momentum as taking our previous changes into consideration. If we've been moving in a certain direction recently, it's likely we should keep moving in that direction. The recurrence relation given shows that we use an exponentially-weighted average of the previous updates for our current update.

A useful analogy about momentum from this great article on Distill:

> Here's a popular story about momentum: gradient descent is a man walking down a hill. He follows the steepest path downwards; his progress is slow, but steady. Momentum is a heavy ball rolling down the same hill. The added inertia acts both as a smoother and an accelerator, dampening oscillations and causing us to barrel through narrow valleys, small humps and local minima.

TODO: Implement the **update_weights** function in **NN.py** with use_momentum=True.

HINT: z is stored in `self.change`

```
In [5]:   from utilities.localtests import TestNN

          TestNN("test_update_weights_with_momentum").test_update_weights_with_momentum(
```

```
--------------------------------------------------------------------------
AssertionError                               Traceback (most recent call last)
Cell In[5], line 3
      1 from utilities.localtests import TestNN
----> 3 TestNN("test_update_weights_with_momentum").test_update_weights_with_m
omentum()

File ~/Documents/Alex/GeorgiaTech/CS4641/HW4/student_files/utilities/localtest
s.py:728, in TestNN.test_update_weights_with_momentum(self)
    725 b2 = np.array([[0.0029572]]).T
    726 truth = {"theta1": theta1, "b1": b1, "theta2": theta2, "b2": b2}
--> 728 self.assertDictAllClose(student, truth)
    729 print_success_message("test_update_weights_with_momentum")

File ~/Documents/Alex/GeorgiaTech/CS4641/HW4/student_files/utilities/localtest
s.py:122, in TestNN.assertDictAllClose(self, student, truth)
    120     if key not in student:
    121         self.fail("Key " + key + " missing.")
--> 122     self.assertAllClose(student[key], truth[key], msg=(key + " is inco
rrect."))
    124 for key in student:
    125     if key not in truth:

File ~/Documents/Alex/GeorgiaTech/CS4641/HW4/student_files/utilities/localtest
s.py:116, in TestNN.assertAllClose(self, student, truth, msg)
    115 def assertAllClose(self, student, truth, msg=None):
--> 116     self.assertTrue(np.allclose(student, truth), msg=msg)

File ~/anaconda3/envs/ml_hw1/lib/python3.11/unittest/case.py:715, in TestCase.
assertTrue(self, expr, msg)
    713 if not expr:
    714     msg = self._formatMessage(msg, "%s is not true" % safe_repr(expr))
--> 715     raise self.failureException(msg)

AssertionError: False is not true : theta1 is incorrect.
```

Compute Gradients

In order to compute the gradients of the loss with respect to each parameter, we use the equations that make up the forward pass:

$$u_1 = \theta_1 X + b_1$$
$$o_1 = \text{leaky}\backslash\_\text{relu}(u_1)$$
$$u_2 = \theta_2 o_1 + b_2$$
$$o_2 = \text{softmax}(u_2)$$
$$l = \text{cross}\backslash\_\text{entropy}(o_2)$$

When computing gradients, we travel backwards from the loss all the way back ot the input. We first seek to obtain the derivative of the loss l with respect to the logits u_2. Note that they have the relation

$$l = \text{cross}\backslash\_\text{entropy}(\text{softmax}(u_2))$$

. Computing the derivative of this seems very involved, but it actually has a very elegant result:

$$\frac{\partial l}{\partial u_2} = \text{softmax}(u_2) - y = \hat{y} - y.$$

While this is given to you, we encourage you to derive it for yourself! You can find a great explanation of the derivation in this article.

Now that we have $\frac{\partial l}{\partial u_2}$, we seek to move further back and compute $\frac{\partial l}{\partial \theta_2}$ and $\frac{\partial l}{\partial b_2}$. This is done using the chain rule:

$$\frac{\partial l}{\partial \theta_2} = \frac{\partial l}{\partial u_2} \cdot \frac{\partial u_2}{\partial \theta_2}$$
$$\frac{\partial l}{\partial b_2} = \frac{\partial l}{\partial u_2} \cdot \frac{\partial u_2}{\partial b_2}.$$

The quantities $\frac{\partial u_2}{\partial \theta_2}$ and $\frac{\partial u_2}{\partial b_2}$ are easy to derive from the relation $u_2 = \theta_2 o_1 + b_2$. We see that

$$\frac{\partial l}{\partial \theta_2} = \frac{\partial l}{\partial u_2} \cdot o_1$$
$$\frac{\partial l}{\partial b_2} = \frac{\partial l}{\partial u_2} \cdot 1.$$

Note that the derivative involves o_1, which we computed during the forward pass. Fortunately, we saved that value in `self.cache`, so we don't need to compute it again!

The same procedure is repeated to obtain the gradients for the upstream parameters θ_1 and b_1. We must first perform the intermediate steps of computing the derivative of the loss with respect to o_1 and then u_1. These are given by

$$\frac{\partial l}{\partial o_1} = \frac{\partial l}{\partial u_2} \cdot \theta_2$$
$$\frac{\partial l}{\partial u_1} = \frac{\partial l}{\partial o_1} \cdot \frac{\partial \text{leaky}\backslash\_\text{relu}}{\partial u_1}.$$

In the second relation, we must consider our use of dropout! If we applied dropout on a particular neuron, it should not be adjusted. To account for this, in the case of `use_dropout=True`, we must instead use

$$\frac{\partial l}{\partial u_1} = \frac{\partial l}{\partial o_1} \cdot \frac{\partial \text{leaky}\backslash\_\text{relu}}{\partial u_1} \cdot \text{dropout}\backslash\_\text{mask} \cdot \frac{1}{1-p},$$

where $1/(1-p)$ is the scaling factor and dropout_mask is stored in `self.cache`.

The final step! We can use these values to compute the gradients for θ_1 and b_1, using the relation $u_1 = \theta_1 X + b_1$, which are given by

$$\frac{\partial l}{\partial \theta_1} = \frac{\partial l}{\partial u_1} \cdot X$$
$$\frac{\partial l}{\partial b_1} = \frac{\partial l}{\partial u_1} \cdot 1.$$

Implementation Tips

The above equations are given in matrix notation. When implementing these computations in code, the easiest way to make sure you are calculating the values correctly and in the right order is to check shapes. Any time you are doing a matrix/vector operation in NumPy, **check the shapes**.

Since we are computing these gradients over N data points, we must divide the gradients by N to take the *average* gradient. Make sure you are dividing by N exactly once, no more and no less!

TODO: Implement the **compute_gradients** function in **NN.py**.

Hint: Refer to this guide for more detail on computing gradients.

```
In [8]:   from utilities.localtests import TestNN

          TestNN(
              "test_compute_gradients_without_dropout"
          ).test_compute_gradients_without_dropout()
          TestNN("test_compute_gradients").test_compute_gradients()
```

```
test_compute_gradients_without_dropout passed!
test_compute_gradients passed!
```

Now that we know how to compute relevant gradients and how to update the weights of our network, we can perform the entire backwards step.

TODO: Implement the **backward** function in **NN.py**.

1.1.1 Local Test: Gradient Descent

You may test your implementation of the GD function contained in **NN.py** in the cell below. See Using the Local Tests for more details. Look at the function documentation in gradient_descent for guidance.

```
In [9]:   ###############################
          ### DO NOT CHANGE THIS CELL ###
          ###############################
          from utilities.localtests import TestNN

          TestNN("test_gradient_descent").test_gradient_descent()
```

```
Iteration 0, Loss 1.1821349083552755
Iteration 1, Loss 1.1801326554281066
Iteration 2, Loss 1.1781840593231987

Your GD losses works within the expected range: True
[codecarbon INFO @ 10:34:03] Energy consumed for RAM : 0.000400 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:34:03] Energy consumed for all CPUs : 0.002834 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:34:03] 0.003234 kWh of electricity used since the beginn
ing.
```

1.1.2 Local Test: Batch Gradient Descent [No Points]

You may test your implementation of the BGD function contained in **NN.py** in the cell below. See Using the Local Tests for more details. Look at the function documentation in gradient_descent for guidance.

In [10]:
```python
###############################
### DO NOT CHANGE THIS CELL ###
###############################

from utilities.localtests import TestNN

TestNN("test_batch_gradient_descent").test_batch_gradient_descent()
```

```
---------------------------------------------------------------------
NotImplementedError                       Traceback (most recent call last)
Cell In[10], line 7
      1 ###############################
      2 ### DO NOT CHANGE THIS CELL ###
      3 ###############################
      5 from utilities.localtests import TestNN
----> 7 TestNN("test_batch_gradient_descent").test_batch_gradient_descent()

File ~/Documents/Alex/GeorgiaTech/CS4641/HW4/student_files/utilities/localtest
s.py:812, in TestNN.test_batch_gradient_descent(self)
    752 batch_y = np.array(
    753     [
    754         0,
  (...)
    808     ]
    809 )
    810 batch_y = batch_y.reshape((3, 6, 3))
--> 812 nn.batch_gradient_descent(
    813     x_train, y_train, iter=3, local_test=True, use_momentum=False
    814 )
    815 batch_str = "batch_y at iteration %i: "
    816 print("\ny_train input:", y_train)

File ~/Documents/Alex/GeorgiaTech/CS4641/HW4/student_files/NN.py:440, in Neura
lNet.batch_gradient_descent(self, x, y, use_momentum, iter, local_test)
    406 def batch_gradient_descent(self, x, y, use_momentum, iter=60000, local
_test=False):
    407     """
    408     This function is an implementation of the batch gradient descent a
lgorithm
    409
  (...)
    438                 appending/printing out loss and y batch arrays
    439     """
--> 440     raise NotImplementedError()

NotImplementedError:
```

1.1.3 Local Test: Gradient Descent with Momentum

You may test your implementation of the GD function with momentum contained in **NN.py** in the cell below. See Using the Local Tests for more details. Revisit your implementation for update_weights.

```
In [ ]:   ###############################
          ### DO NOT CHANGE THIS CELL ###
          ###############################

          from utilities.localtests import TestNN

          TestNN("test_gradient_descent_with_momentum").test_gradient_descent_with_momen
```

1.2 Loss plot and CE value for NN with Gradient Descent [5pts] **[W]**

Train your neural net implementation with gradient descent and print out the loss at every 1000th iteration (starting at iteration 0). The following cells will plot the loss vs epoch graph and calculate the final test CE.

In [11]:
```python
################################
### DO NOT CHANGE THIS CELL ###
################################
from NN import NeuralNet
from sklearn.metrics import ConfusionMatrixDisplay, confusion_matrix

x_train, y_train, x_test, y_test = get_housing_dataset()

nn = NeuralNet(
    y_train, lr=0.01, use_dropout=False, use_momentum=False
)  # initalize neural net class
nn.gradient_descent(x_train, y_train, iter=60000)  # train
```

```
Iteration 0, Loss 1.1821349083552755
Iteration 1000, Loss 1.0156251410335169
Iteration 2000, Loss 0.9073306197991008
Iteration 3000, Loss 0.8105781325416552
Iteration 4000, Loss 0.7431299257869359
Iteration 5000, Loss 0.7002884095202502
Iteration 6000, Loss 0.6723178887686854
Iteration 7000, Loss 0.6526220698014429
Iteration 8000, Loss 0.6376421074686519
Iteration 9000, Loss 0.6254331331097457
Iteration 10000, Loss 0.6155121495841295
Iteration 11000, Loss 0.6070795058047884
Iteration 12000, Loss 0.5997240362846215
Iteration 13000, Loss 0.5927482921799302
Iteration 14000, Loss 0.5859696818083475
Iteration 15000, Loss 0.5803677776024774
Iteration 16000, Loss 0.5753548036037184
Iteration 17000, Loss 0.5707408829274461
Iteration 18000, Loss 0.5665760017202466
Iteration 19000, Loss 0.5627742530724246
Iteration 20000, Loss 0.5591757460112453
Iteration 21000, Loss 0.5557748477842244
```

```
[codecarbon INFO @ 10:34:18] Energy consumed for RAM : 0.000425 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:34:18] Energy consumed for all CPUs : 0.003011 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:34:18] 0.003436 kWh of electricity used since the beginn
ing.
```

```
Iteration 22000, Loss 0.5527409071266451
Iteration 23000, Loss 0.5499432863416194
Iteration 24000, Loss 0.5473753441961624
Iteration 25000, Loss 0.5449935450763763
Iteration 26000, Loss 0.5428044329276798
Iteration 27000, Loss 0.5407024607829846
Iteration 28000, Loss 0.5387166534629518
Iteration 29000, Loss 0.5369362612028388
Iteration 30000, Loss 0.5351890000017385
Iteration 31000, Loss 0.5335971286146914
Iteration 32000, Loss 0.5321652507614804
Iteration 33000, Loss 0.5308353758900661
Iteration 34000, Loss 0.5295826355866519
Iteration 35000, Loss 0.5284098944001403
Iteration 36000, Loss 0.5273192747481527
Iteration 37000, Loss 0.5262914915298186
Iteration 38000, Loss 0.5253155191389522
Iteration 39000, Loss 0.5243868398895685
Iteration 40000, Loss 0.5234998314680732
Iteration 41000, Loss 0.5226540904348362
Iteration 42000, Loss 0.5218464461980226
Iteration 43000, Loss 0.5210680465746369
Iteration 44000, Loss 0.5203150745271873
Iteration 45000, Loss 0.5195844658432227
Iteration 46000, Loss 0.5188747650590486
Iteration 47000, Loss 0.5181833902852304
Iteration 48000, Loss 0.5175100243695938
Iteration 49000, Loss 0.5168509412082828
Iteration 50000, Loss 0.5162067380146448
Iteration 51000, Loss 0.5155752226781292
Iteration 52000, Loss 0.5149548999312169
Iteration 53000, Loss 0.5143410785687509
Iteration 54000, Loss 0.5137392128054348
Iteration 55000, Loss 0.5131486054842608
Iteration 56000, Loss 0.5125675273715865
Iteration 57000, Loss 0.5119943267346921
Iteration 58000, Loss 0.511428698473929
Iteration 59000, Loss 0.5108693907620546
```

```
[codecarbon INFO @ 10:34:33] Energy consumed for RAM : 0.000450 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:34:33] Energy consumed for all CPUs : 0.003188 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:34:33] 0.003638 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:34:48] Energy consumed for RAM : 0.000475 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:34:48] Energy consumed for all CPUs : 0.003365 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:34:48] 0.003840 kWh of electricity used since the beginn
ing.
```

In [12]:
```python
# Plot confusion matrix
y_true = np.argmax(y_test, axis=1)
y_pred = nn.predict(x_test)
display_labels = ["low", "med", "high"]
ConfusionMatrixDisplay.from_predictions(
    y_true, y_pred, normalize="true", display_labels=display_labels
)
plt.show()
```

```
In [13]:  # Plot training loss
          fig = plt.plot(np.array(nn.loss).squeeze())
          plt.title(f"Training: {nn.neural_net_type}")
          plt.xlabel("Epoch (1000)")
          plt.ylabel("Loss")
          plt.show()
```

Training: Leaky Relu -> Softmax


```
[codecarbon INFO @ 10:35:03] Energy consumed for RAM : 0.000500 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:35:03] Energy consumed for all CPUs : 0.003542 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:35:03] 0.004042 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:35:18] Energy consumed for RAM : 0.000525 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:35:18] Energy consumed for all CPUs : 0.003719 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:35:18] 0.004244 kWh of electricity used since the beginn
ing.
```
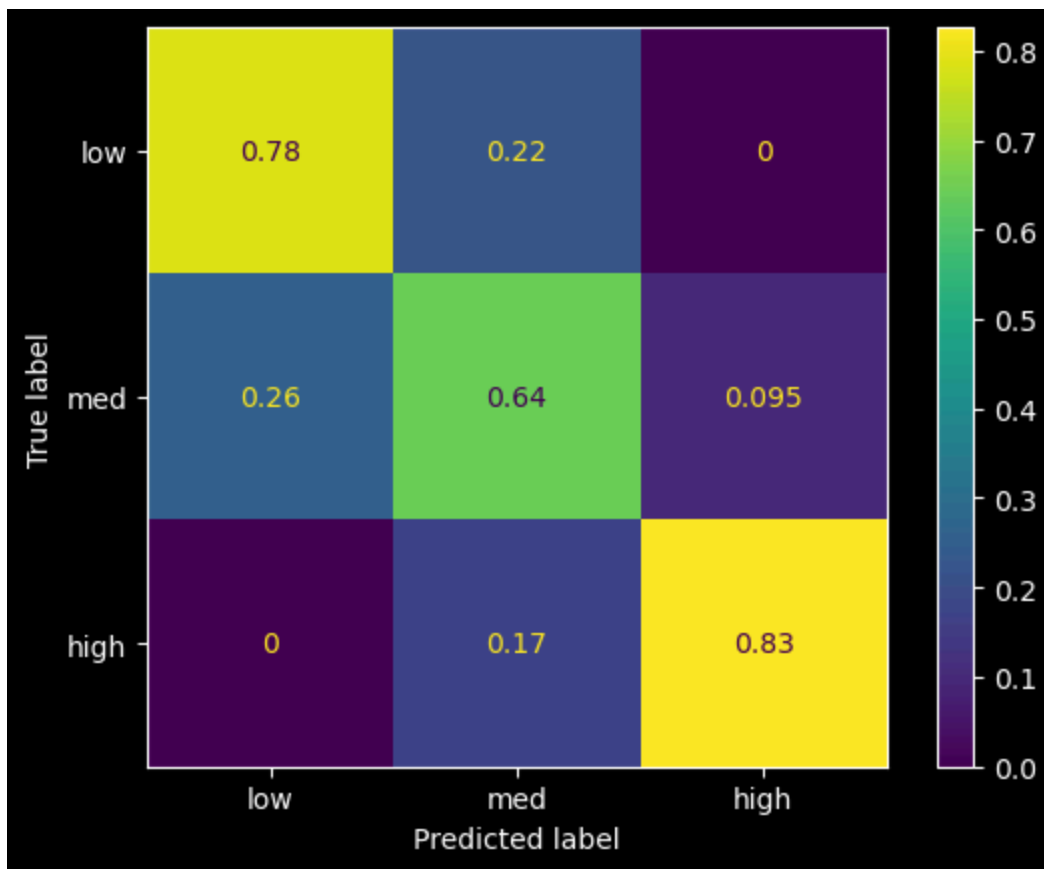
In [ ]:
```python
# Total loss
y_hat = nn.forward(x_test, use_dropout=False)
print("Cross entropy loss:", round(nn.cross_entropy_loss(y_test, y_hat), 3))
```

Cross entropy loss: 0.752

```
[codecarbon INFO @ 10:35:33] Energy consumed for RAM : 0.000550 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:35:33] Energy consumed for all CPUs : 0.003896 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:35:33] 0.004446 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:35:48] Energy consumed for RAM : 0.000575 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:35:48] Energy consumed for all CPUs : 0.004073 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:35:48] 0.004648 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:36:03] Energy consumed for RAM : 0.000600 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:36:03] Energy consumed for all CPUs : 0.004251 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:36:03] 0.004851 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:36:18] Energy consumed for RAM : 0.000625 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:36:18] Energy consumed for all CPUs : 0.004427 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:36:18] 0.005052 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:36:33] Energy consumed for RAM : 0.000650 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:36:33] Energy consumed for all CPUs : 0.004604 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:36:33] 0.005254 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:36:48] Energy consumed for RAM : 0.000675 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:36:48] Energy consumed for all CPUs : 0.004781 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:36:48] 0.005456 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:37:03] Energy consumed for RAM : 0.000700 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:37:03] Energy consumed for all CPUs : 0.004958 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:37:03] 0.005658 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:37:18] Energy consumed for RAM : 0.000725 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:37:18] Energy consumed for all CPUs : 0.005135 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:37:18] 0.005860 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:37:33] Energy consumed for RAM : 0.000750 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:37:33] Energy consumed for all CPUs : 0.005312 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:37:33] 0.006062 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:37:48] Energy consumed for RAM : 0.000775 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:37:48] Energy consumed for all CPUs : 0.005489 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:37:48] 0.006264 kWh of electricity used since the beginn
ing.
```
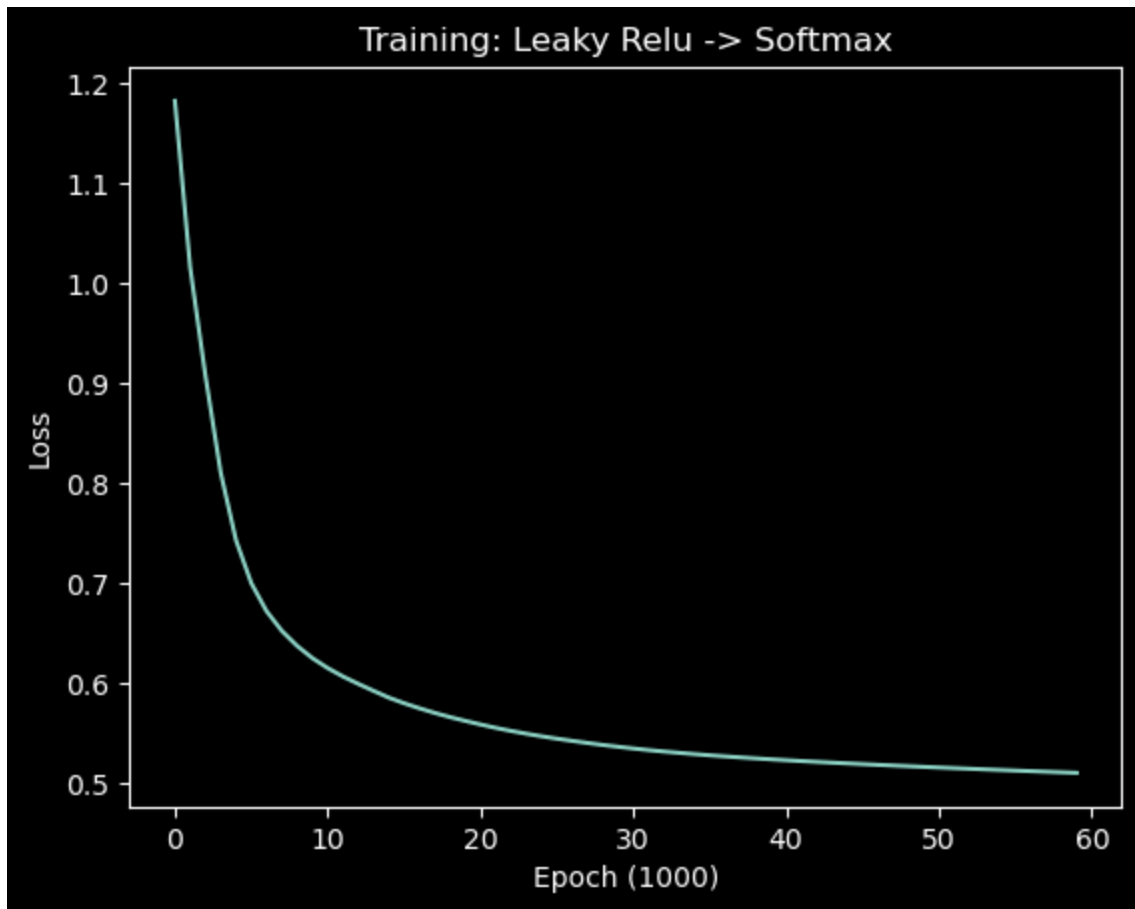
```
[codecarbon INFO @ 10:38:03] Energy consumed for RAM : 0.000800 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:38:03] Energy consumed for all CPUs : 0.005666 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:38:03] 0.006466 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:38:18] Energy consumed for RAM : 0.000825 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:38:18] Energy consumed for all CPUs : 0.005844 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:38:18] 0.006668 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:38:33] Energy consumed for RAM : 0.000850 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:38:33] Energy consumed for all CPUs : 0.006021 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:38:33] 0.006871 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:38:48] Energy consumed for RAM : 0.000875 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:38:48] Energy consumed for all CPUs : 0.006198 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:38:48] 0.007073 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:39:03] Energy consumed for RAM : 0.000900 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:39:03] Energy consumed for all CPUs : 0.006375 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:39:03] 0.007275 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:39:18] Energy consumed for RAM : 0.000925 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:39:18] Energy consumed for all CPUs : 0.006552 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:39:18] 0.007477 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:39:33] Energy consumed for RAM : 0.000950 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:39:33] Energy consumed for all CPUs : 0.006729 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:39:33] 0.007679 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:39:48] Energy consumed for RAM : 0.000975 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:39:48] Energy consumed for all CPUs : 0.006906 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:39:48] 0.007881 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:40:03] Energy consumed for RAM : 0.001000 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:40:03] Energy consumed for all CPUs : 0.007083 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:40:03] 0.008083 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:40:18] Energy consumed for RAM : 0.001025 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:40:18] Energy consumed for all CPUs : 0.007260 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:40:18] 0.008285 kWh of electricity used since the beginn
ing.
```

```
[codecarbon INFO @ 10:40:33] Energy consumed for RAM : 0.001050 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:40:33] Energy consumed for all CPUs : 0.007437 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:40:33] 0.008487 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:40:48] Energy consumed for RAM : 0.001075 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:40:48] Energy consumed for all CPUs : 0.007615 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:40:48] 0.008689 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:41:03] Energy consumed for RAM : 0.001100 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:41:03] Energy consumed for all CPUs : 0.007792 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:41:03] 0.008892 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:41:18] Energy consumed for RAM : 0.001125 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:41:18] Energy consumed for all CPUs : 0.007969 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:41:18] 0.009094 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:41:33] Energy consumed for RAM : 0.001150 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:41:33] Energy consumed for all CPUs : 0.008146 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:41:33] 0.009296 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:41:48] Energy consumed for RAM : 0.001175 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:41:48] Energy consumed for all CPUs : 0.008323 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:41:48] 0.009498 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:42:03] Energy consumed for RAM : 0.001200 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:42:03] Energy consumed for all CPUs : 0.008500 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:42:03] 0.009700 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:42:18] Energy consumed for RAM : 0.001225 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:42:18] Energy consumed for all CPUs : 0.008677 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:42:18] 0.009902 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:42:33] Energy consumed for RAM : 0.001250 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:42:33] Energy consumed for all CPUs : 0.008854 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:42:33] 0.010104 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:42:48] Energy consumed for RAM : 0.001275 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:42:48] Energy consumed for all CPUs : 0.009031 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:42:48] 0.010306 kWh of electricity used since the beginn
ing.
```

```
[codecarbon INFO @ 10:43:03] Energy consumed for RAM : 0.001300 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:43:03] Energy consumed for all CPUs : 0.009208 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:43:03] 0.010508 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:43:18] Energy consumed for RAM : 0.001325 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:43:18] Energy consumed for all CPUs : 0.009386 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:43:18] 0.010710 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:43:33] Energy consumed for RAM : 0.001350 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:43:33] Energy consumed for all CPUs : 0.009563 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:43:33] 0.010913 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:43:48] Energy consumed for RAM : 0.001375 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:43:48] Energy consumed for all CPUs : 0.009740 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:43:48] 0.011115 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:44:03] Energy consumed for RAM : 0.001400 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:44:03] Energy consumed for all CPUs : 0.009917 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:44:03] 0.011317 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:44:18] Energy consumed for RAM : 0.001425 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:44:18] Energy consumed for all CPUs : 0.010094 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:44:18] 0.011519 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:44:33] Energy consumed for RAM : 0.001450 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:44:33] Energy consumed for all CPUs : 0.010271 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:44:33] 0.011721 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:44:48] Energy consumed for RAM : 0.001475 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:44:48] Energy consumed for all CPUs : 0.010448 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:44:48] 0.011923 kWh of electricity used since the beginn
ing.
[codecarbon INFO @ 10:45:03] Energy consumed for RAM : 0.001500 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 10:45:03] Energy consumed for all CPUs : 0.010625 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 10:45:03] 0.012125 kWh of electricity used since the beginn
ing.
```

1.3 Loss plot and CE value for NN with BGD [5pts Grad / 0.7% Bonus for Undergrad] **[W]**

Train your neural net implementation with batch gradient descent and print out the loss at every 1000th iteration (starting at iteration 0). The following cells will plot the loss vs epoch graph and calculate the final test CE.

```
In [ ]: #############################
        ### DO NOT CHANGE THIS CELL ###
        #############################
        from NN import NeuralNet
        from sklearn.metrics import ConfusionMatrixDisplay, confusion_matrix

        x_train, y_train, x_test, y_test = get_housing_dataset()

        nn = NeuralNet(
            y_train, lr=0.01, use_dropout=True, use_momentum=False
        )  # initalize neural net class
        nn.batch_gradient_descent(x_train, y_train, iter=60000, use_momentum=False)
```

```
In [ ]: # Plot training loss
        fig = plt.plot(np.array(nn.loss).squeeze())
        plt.title(f"Training: {nn.neural_net_type}")
        plt.xlabel("Epoch (1000)")
        plt.ylabel("Loss")
        plt.show()
```

```
In [ ]: # Plot confusion matrix
        y_true = np.argmax(y_test, axis=1)
        y_pred = nn.predict(x_test)
        display_labels = ["low", "med", "high"]
        ConfusionMatrixDisplay.from_predictions(
            y_true, y_pred, normalize="true", display_labels=display_labels
        )
        plt.show()
```

```
In [ ]: # Total loss
        y_hat = nn.forward(x_test, use_dropout=False)
        print("Cross entropy loss:", round(nn.cross_entropy_loss(y_test, y_hat), 3))
```

1.4 Loss plot and CE value for NN with Gradient Descent with Momentum [5pts Grad / 0.6% Bonus for Undergrad] **[W]**

Train your neural net implementation with gradient descent with momentum and print out the loss at every 1000th iteration (starting at iteration 0). The following cells will plot the loss vs epoch graph and calculate the final test CE.

```
In [ ]: #############################
        ### DO NOT CHANGE THIS CELL ###
        #############################
        from NN import NeuralNet
        from sklearn.metrics import ConfusionMatrixDisplay, confusion_matrix

        x_train, y_train, x_test, y_test = get_housing_dataset()
```

```
nn = NeuralNet(
    y_train, lr=0.01, use_dropout=False, use_momentum=True
)  # initalize neural net class
nn.gradient_descent(x_train, y_train, iter=60000, use_momentum=True)  # train
```

In [ ]:
```
# Plot training loss
fig = plt.plot(np.array(nn.loss).squeeze())
plt.title(f"Training: {nn.neural_net_type}")
plt.xlabel("Epoch (1000)")
plt.ylabel("Loss")
plt.show()
```

In [ ]:
```
# Plot confusion matrix
y_true = np.argmax(y_test, axis=1)
y_pred = nn.predict(x_test)
display_labels = ["low", "med", "high"]
ConfusionMatrixDisplay.from_predictions(
    y_true, y_pred, normalize="true", display_labels=display_labels
)
plt.show()
```

In [ ]:
```
# Total loss
y_hat = nn.forward(x_test, use_dropout=False)
print("Cross entropy loss:", round(nn.cross_entropy_loss(y_test, y_hat), 3))
```

2: Image Classification based on Convolutional Neural Networks [25pts; 20pts Grad / 2.7% Bonus for Undergrad + 1.1% Bonus for all] **[P]****[W]**

2.1 Image Classification using Pytorch and CNN

- Pytorch is a popular platform for machine learning.

Pytorch Description

PyTorch is a Machine Learning/Deep Learning tensor library based on Python and Torch. It uses dynamic computation graphs and is completely Pythonic. Pytorch is used for applications using GPUs and CPUs.

Helpful Links

- Install Pytorch
- Pytorch Quickstart Tutorial

Setup Pytorch

Make sure you installed pytorch and torchvision (directions here).

Please also see Pytorch Quickstart Tutorial to see how to load a data set, build a training loop, and test the model. Another good resource for building CNNs using Pytorch is here.

Environment Setup

```
In [8]:   import torch
          import torchvision
          from torch.utils.data import non_deterministic
          from torchvision.transforms import v2

          %load_ext autoreload
          %autoreload 2
          %reload_ext autoreload
```

```
The autoreload extension is already loaded. To reload it, use:
  %reload_ext autoreload
```

2.1.1 Load FashionMNIST Dataset and Data Augmentation [5pts - Bonus for Undergrad]**[P]**

We use Fashion-MNIST dataset to train our model. This is a dataset of 70,000 28x28 grayscale images in 10 classes. There are 60,000 training images and 10,000 test images. We provide code for you to download Fashion-MNIST dataset below.

Data Augmentation [5pts]

Data augmentation is a technique to increase the diversity of your training set by applying random (but realistic) transformations such as image rotation and flipping the image around an axis. If the dataset in a machine learning model is rich and sufficient, the model performs better and more accurately. We will preprocess the training and testing set, but only the training set will undergo augmentation.

Go through the Pytorch torchvision.transforms.v2 documentation to see how to apply multiple transformations at once.

In the **cnn_image_transformations.py** file, complete the following functions to understand the common practices used for preprocessing and augmenting the image data:

- **create_training_transformations**

  - In this function, you are going to preprocess and augment training data.

    - PREPROCESS: Convert the given PIL Images to Tensors

    - AUGMENTATION: Apply Random Horizontal Flip and Random Rotation

- **create_testing_transformations**

  - In this function, you are going to only preprocess testing data.

    - PREPROCESS: Convert the given PIL Images to Tensors

Please note that the Gradescope only checks if expected preprocessing layers are existent.

References

[v2.Compose()](#)

[v2.ToTensor()](#) (Hint: Look at the warning)

[v2.RandomHorizontalFlip()](#)

[v2.RandomApply()](#)

[v2.RandomRotation()](#)

[Article about performance regarding transformations](#)

```python
###############################
### DO NOT CHANGE THIS CELL ###
###############################

from cnn_image_transformations import (
    create_testing_transformations,
    create_training_transformations,
)

# Create Transformations
training_transformations = create_training_transformations()
testing_transformation = create_testing_transformations()

# Load data
trainset = torchvision.datasets.FashionMNIST(
    root="./data", train=True, download=True, transform=training_transformation
)
testset = torchvision.datasets.FashionMNIST(
    root="./data", train=False, download=True, transform=testing_transformation
)

classes = (
    "Top",
    "Trouser",
    "Pullover",
    "Dress",
    "Coat",
    "Sandal",
    "Shirt",
    "Sneaker",
    "Bag",
    "Ankle boot",
)

print(trainset.data.shape)
print(testset.data.shape)
```

2.1.2 Load some sample images from Fashion-MNIST [Setup - No points]

```
In [ ]:   ###############################
          ### DO NOT CHANGE THIS CELL ###
          ###############################

          import matplotlib.pyplot as plt
          import numpy as np

          trainloader = torch.utils.data.DataLoader(
              trainset, batch_size=32, shuffle=True, num_workers=2
          )
          testloader = torch.utils.data.DataLoader(
              testset, batch_size=32, shuffle=False, num_workers=2
          )

          # functions to show an image


          def imshow(img):
              img = img / 2 + 0.5   # unnormalize
              npimg = img.numpy()
              plt.imshow(np.transpose(npimg, (1, 2, 0)))
              plt.show()


          # get some random training images
          dataiter = iter(trainloader)
          images, labels = next(dataiter)

          print("Image size")
          print(v2.functional.get_size(images[0]))

          # show images
          imshow(torchvision.utils.make_grid(images))
```

As you can see from above, the FashionMNIST dataset contains different types of objects.
The images have been size-normalized and objects remain centered in fixed-size images.

2.1.3 Build convolutional neural network model [5pts Grad / 0.7% Bonus for Undergrad] **[W]**

In this part, you need to build a convolutional neural network as described below. The architecture of the model is outlined.

In the **cnn.py** file, complete the following functions:

- **__init__**: See Defining Variables section
- **forward**: See Defining Model section

[INPUT - CONV - CONV - MAXPOOL - DROPOUT - CONV - CONV - MAXPOOL - DROPOUT - AVERAGEPOOL - FC1 - DROPOUT - FC2 - DROPOUT - FC3]

> INPUT: $[28 \times 28 \times 1]$ will hold the raw pixel values of the image, in this case, an image of width 28, height 28. This layer should give 8 filters and have appropriate padding to maintain shape.

CONV: Conv. layer will compute the output of neurons that are connected to local regions in the input, each computing a dot product between their weights and a small region they are connected to the input volume. In our example architecture, we decide to set the kernel_size to be 3×3. For example, the output of the Conv. layer may look like $[28 \times 28 \times 8]$ if we set out_channels to be 8 and use appropriate paddings to maintain shape.

CONV: Additional Conv. layer take outputs from above layers and applies more filters. We set the kernel_size to be 3×3 and out_channels to be 32.

MAXPOOL: MAXPOOL layer will perform a downsampling operation along the spatial dimensions (width, height). With pool size of 2×2, resulting shape takes form 16×16.

DROPOUT: DROPOUT layer with the dropout rate of 0.2 to prevent overfitting.

CONV: Additonal Conv. layer takes outputs from above layers and applies more filters. We set the kernel_size to be 3×3 and out_channels to be 32. Appropriate paddings are used to maintain shape.

CONV: Additonal Conv. layer takes outputs from above layers and applies more filters. We set the kernel_size to be 3×3 and out_channels to be 64. Appropriate paddings are used to maintain shape.

MAXPOOL: MAXPOOL layer will perform a downsampling operation along the spatial dimensions (width, height).

DROPOUT: Dropout layer with the dropout rate of 0.2 to prevent overfitting.

AVERAGEPOOL: AVERAGEPOOL layer will perform a downsampling operation along the spatial dimension (width, height). Checkout AdaptiveAvgPool2d below.

FC1: Dense layer which takes output from above layers, and has 256 neurons. Flatten() operations may be useful.

DROPOUT: Dropout layer with the dropout rate of 0.2 to prevent overfitting.

FC2：Dense layer which takes output from above layers, and has 128 neurons.

DROPOUT: Dropout layer with the dropout rate of 0.2 to prevent overfitting.

FC3: Dense layer with 10 neurons, and Softmax activation, is the final layer. The dimension of the output space is the number of classes.

Activation function: Use LeakyReLU with negative_slope 0.01 as the activation function for Conv. layers and Dense layers unless otherwise indicated to build you model architecture

Note that while this is a suggested model design, you may use other architectures and experiment with different layers for better results.

The following links are Pytorch documentation for the layers you are going to use to build the CNN.

- Conv2d
- Dense
- MaxPool
- AdaptiveAvgPool2d
- Dropout
- LeakyReLU
- Flatten

Lastly, if you would like to experiment with additional layers, explore the torch.nn api.

```
In [ ]:   ##############################
          ### DO NOT CHANGE THIS CELL ###
          ##############################

          # Show the architecture of the model
          achi = plt.imread("./data/images/Architecture.png")
          fig = plt.figure(figsize=(10, 10))
          plt.imshow(achi)
```

Defining model [5pts Grad / 0.7% Bonus for Undergrad]**[W]**

You now need to complete the `__init__()` function and the `forward()` function in **cnn.py** to define your model structure.

Your model is required to have at least 2 convolutional layers and at least 2 dense layers. Ensuring that these requirements are met will earn you 5pts.

Once you have defined a model structure you may use the cell below to examine your architecture.

```
In [ ]:   ##############################
          ### DO NOT CHANGE THIS CELL ###
          ##############################

          # You can compare your architecture with the 'Architecture.png'

          from cnn import CNN

          net = CNN()
          print(net)
```

2.1.4 Train the network [8pts Grad / 1% Bonus for Undergrad (3pts, 3pts, 2pts) Bonus for Undergrad] **[W]**

Tuning: Training the network is the next thing to try. You can set the hyperparameters in the cell below. If your hyperparameters are set properly, you should see the loss of the validation set decreased and the value of accuracy increased. **It may take more than 15 minutes to train your model.**

- Recommended Batch Sizes fall in the range 32-512 (use powers of 2)

- Recommended Epoch Counts fall in the range 5-20

- Recommended Learning Rates fall in the range .0001-.01

Expected Result: You should be able to achieve more than 90% accuracy on the test set to get full points. If you achieve accuracy between 75% to 84%, you will only get 3 points. An accuracy between 84% to 90% will earn an additional 3pts.

Note: If you would like to automate the tuning process, you can use a nested for loop to search for the hyperparameter that achieves the accuracy. You could also look into grid search for hyperparameter optimization.

- 75% to 84% earns 3pts
- 84% to 90% earns 3pts more (6pts total)
- $90\%+$ earns 2pts more (8pts total)

Train your own CNN model

```
In [ ]:  from cnn import CNN
         from cnn_trainer import Trainer

         net = CNN()

         # TODO: Change hyperparameters here
         num_epochs = 10
         batch_size = 32
         init_lr = 5e-3

         # Choose best device to speed up training
         if torch.cuda.is_available():
             device = "cuda"
         elif torch.backends.mps.is_available():
             device = "mps"
         else:
             device = "cpu"
         print(f"Using {device} device")

         trainer = Trainer(
             net,
             trainset,
             testset,
             num_epochs=num_epochs,
             batch_size=batch_size,
             init_lr=init_lr,
             device=device,
```

```
)
trainer.train()
```

2.1.5 Examine accuracy and loss [2pts Grad / 0.3% Bonus for Undergrad] **[W]**

You should expect to see gradually decreasing loss and gradually increasing accuracy. Examine loss and accuracy by running the cell below, no editing is necessary. Having appropriate looking loss and accuracy plots will earn you the last 2pts for your convolutional neural net.

```
In [ ]: ##############################
        ### DO NOT CHANGE THIS CELL ###
        ##############################

        # list all data in history
        train_loss, train_accuracy, valid_loss, valid_accuracy = trainer.get_training_l

        # summarize history for accuracy and loss
        plt.plot(train_accuracy)
        plt.plot(valid_accuracy)
        plt.title("model accuracy")
        plt.ylabel("accuracy")
        plt.xlabel("epoch")
        plt.legend(["train", "valid"], loc="upper left")
        plt.show()

        plt.plot(train_loss)
        plt.plot(valid_loss)
        plt.title("model loss")
        plt.ylabel("loss")
        plt.xlabel("epoch")
        plt.legend(["train", "valid"], loc="upper left")
        plt.show()
```

```
In [ ]: ##############################
        ### DO NOT CHANGE THIS CELL ###
        ##############################

        # make predictions
        y_pred, y_pred_classes, y_gt_classes = trainer.predict(testloader)
        y_pred_prob = torch.max(y_pred, dim=1).values

        from sklearn.metrics import accuracy_score, confusion_matrix

        plt.figure(figsize=(8, 7))
        plt.imshow(confusion_matrix(y_gt_classes, y_pred_classes))
        plt.title("Confusion matrix", fontsize=16)
        plt.xticks(np.arange(10), classes, rotation=90, fontsize=12)
        plt.yticks(np.arange(10), classes, fontsize=12)
        plt.colorbar()
        plt.show()
```

2.2 Exploring Deep CNN Architectures [1.1% Bonus for All] **[W]**

The network you have produced is rather simple relative to many of those used in industry and research. Researchers have worked to make CNN models deeper and deeper over the past years in an effort to gain higher accuracy in predictions. While your model is only a handful of layers deep, some state of the art deep architectures may include up to 150 layers. However, this process has not been without challenges.

One such problem is the problem of the vanishing gradient. The weights of a neural network are updated using the backpropagation algorithm. The backpropagation algorithm makes a small change to each weight in such a way that the loss of the model decreases. Using the chain rule, we can find this gradient for each weight. But, as this gradient keeps flowing backwards to the initial layers, this value keeps getting multiplied by each local gradient. Hence, the gradient becomes smaller and smaller, making the updates to the initial layers very small, increasing the training time considerably.

Many tactics have been used in an effort to solve this problem. One architecture, named ResNet, solves the vanishing gradient problem in a unique way. ResNet was developed at Microsoft Research to find better ways to train deep networks. Take a moment to explore how ResNet tackles the vanishing gradient problem by reading the original research paper here: https://arxiv.org/pdf/1512.03385.pdf (also included as PDF in papers directory).

Question: In your own words, explain how ResNet addresses the vanishing gradient problem in 1-2 sentences below: (Please type answers directly in the cell below.)

3: Random Forests [45pts; 40pts + 1.1% Bonus for All] **[P]** **[W]**

NOTE: Please use sklearn's ExtraTreeClassifier in your Random Forest implementation. You can find more details about this classifier here.

For context, the general difference between an extra tree and decision tree classifier is that the decision tree optimizes which feature to reduce entropy on and at what value to split, while an extra tree randomly splits on the features given.

3.1 Random Forest Implementation [35pts] **[P]**

The decision boundaries drawn by decision or extra trees are very sharp, and fitting a tree of unbounded depth to a list of examples almost inevitably leads to **overfitting**. In an attempt to decrease the variance of an extra tree, we're going to use a technique called

'Bootstrap Aggregating' (often abbreviated 'bagging'). This stems from the idea that a collection of weak learners can learn decision boundaries as well as a strong learner. This is commonly called a Random Forest.

We can build a Random Forest as a collection of extra trees, as follows:

1. For every tree in the random forest, we're going to

   a) Subsample the examples with replacement. Note that in this question, the size of the subsample data is equal to the original dataset.

   b) From the subsamples in part a, choose attributes at random without replacement to learn on in accordance with a provided attribute subsampling rate. Based on what it was mentioned in the class, we randomly pick features in each split. We use a more general approach here to make the programming part easier. Let's randomly pick some features (65% percent of features) and grow the tree based on the pre-determined randomly selected features. Therefore, there is no need to find random features in each split.

   c) Fit an extra tree to the subsample of data we've chosen to a certain depth.

You can refresh your understanding with the lecture notes.

Classification for a random forest is then done by taking a majority vote of the classifications yielded by each tree in the forest after it classifies an example.

In the **random_forest.py** file, complete the following functions:

- **_bootstrapping**: this function will be used in `bootstrapping()`
- **fit**: Fit the extra trees initialized in `__init__` with the datasets created in `bootstrapping()`. You will need to call `bootstrapping()`.

NOTES:

1. In the Random Forest Class, X is assumed to be a matrix with num_training rows and num_features columns where num_training is the number of total records and num_features is the number of features of each record. y is assumed to be a vector of labels of length num_training.
2. Look out for TODO's for the parts that need to be implemented
3. If you receive any `SettingWithCopyWarning` warnings from the Pandas library, you can safely ignore them.
4. Hint: when bootstrapping, set replace = False while creating col_idx

3.2 Hyperparameter Tuning with a Random Forest [5pts] **[P]**

In machine learning, hyperparameters are parameters that are set before the learning process begins. The max_depth, num_estimators, or max_features variables from 3.1 are

examples of different hyperparameters for a random forest model. Let's first review the dataset in a bit more detail.

Dataset Objective

Imagine that we are a team of researchers working to track and document various information related to dry beans for a machine learning model that predicts what type of bean is represented. We know that there are multiple things to keep track of, such as the shapes and sizes that differentiate different types of beans. We will use the information we track and document in order to publish it for the general public.

After much reflection within the research team, we come to the conclusion that we can use past observations on bean images to create a model.

We will use our random forest algorithm from Q3.1 to predict the bean type.

You can find more information on the dataset here.

The barbunya bean, also known as the cranberry bean, was first bred in Colombia.

Loading the dataset

The dataset that the company has collected has the following features:

There were 16 features used in this dataset.

Inputs:

1. Area The area of a bean zone and the number of pixels within its boundaries

2. Perimeter: Bean circumference is defined as the length of its border
3. MajorAxisLength: The distance between the ends of the longest line that can be drawn from a bean
4. MinorAxisLength: The longest line that can be drawn from the bean while standing perpendicular to the main axis
5. AspectRatio: Defines the relationship between MajorAxisLength and MinorAxisLength
6. Eccentricity: Eccentricity of the ellipse having the same moments as the region
7. ConvexArea: Number of pixels in the smallest convex polygon that can contain the area of a bean seed
8. EquivDiameter Equivalent diameter, the diameter of a circle having the same area as a bean seed area
9. Extent Feature: The ratio of the pixels in the bounding box to the bean area
10. Solidity: Also known as convexity. The ratio of the pixels in the convex shell to those found in beans.
11. Roundness: Calculated with the following formula: (4piA)/(P^2)
12. Compactness: Measures the roundness of an object
13. ShapeFactor1
14. ShapeFactor2
15. ShapeFactor3
16. ShapeFactor4

Output:

1. Target value:
   - Seker
   - Barbunya
   - Bombay
   - Cali
   - Dermosan
   - Horoz
   - Sira

Your random forest model will try to predict this variable.

```
In [2]:  import numpy as np
         import pandas as pd

         ##############################
         ### DO NOT CHANGE THIS CELL ###
         ##############################
         from sklearn import preprocessing

         dry_bean_dataset = "./data/Dry_Bean_Dataset.csv"
         df = pd.read_csv(dry_bean_dataset)

         label_encoder = preprocessing.LabelEncoder()

         X = df.drop(["Class"], axis=1)
         y = label_encoder.fit_transform(df["Class"])
```

```
X_train, X_test, y_train, y_test = train_test_split(
    X, y, test_size=0.33, random_state=42
)
X_test = np.array(X_test)
X_train, y_train, X_test, y_test = (
    np.array(X_train),
    np.array(y_train),
    np.array(X_test),
    np.array(y_test),
)
```

In [3]:
```
##############################
### DO NOT CHANGE THIS CELL ###
##############################
print(X_train.shape, y_train.shape, X_test.shape, y_test.shape)
assert X_train.shape == (9119, 16)
assert y_train.shape == (9119,)
assert X_test.shape == (4492, 16)
assert y_test.shape == (4492,)
```

(9119, 16) (9119,) (4492, 16) (4492,)

In the following codeblock, train your random forest model with different values for max_depth, n_estimators, or max_features and evaluate each model on the held-out test set. Try to choose a combination of hyperparameters that maximizes your prediction accuracy on the test set (aim for 85%+).

In **random_forest.py**, once you are satisfied with your chosen parameters, update the following function:

- **select_hyperparameters**: change the values for `max_depth`, `n_estimators`, and `max_features` to your chosen values

Submit this file to Gradescope. You must achieve at least a **85% accuracy** against the test set in Gradescope to receive full credit for this section.

In [4]:
```
##############################
### DO NOT CHANGE THIS CELL ###
##############################
from utilities.localtests import TestRandomForest

"""
Once you have implemented Random forest, you can run this cell. If you implemen
then this cell should execute without any errors.
"""
TestRandomForest("test_bootstrapping").test_bootstrapping()
```

test_bootstrapping passed!

In [87]:
```
"""
TODO:
n_estimators defines how many Extra trees are fitted for the random forest.
max_depth defines a stop condition when the tree reaches to a certain depth.
max_features controls the percentage of features that are used to fit each ext

Tune these three parameters to achieve a better accuracy. n_estimators and max_
```

```
be at least 3 in value for moderately reliable answers. While you can use the |
to evaluate your implementation, you will need to obtain 85% on the test set t
credit for this section.
"""

import sklearn.ensemble
from random_forest import RandomForest
from sklearn import preprocessing

################# DO NOT CHANGE THIS RANDOM SEED ###################
student_random_seed = 4641 + 7641
##################################################################

################# CHANGE THESE VALUES #############################
### Default Student Values
# n_estimators = 3  # Hint: Consider values between 3-15.
# max_depth = 3  # Hint: Consider values betweeen 3-15.
# max_features = 0.1  # Hint: Consider values betweeen 0.3-1.0.

### Tuned Solution Values
n_estimators = 1 # Hint: Consider values between 3-15. -> 1
max_depth = 14 # Hint: Consider values betweeen 3-15. -> 11
max_features = .95 #.42    # Hint: Consider values betweeen 0.3-1.0. -> 1
##################################################################
random_forest = RandomForest(
    n_estimators, max_depth, max_features, random_seed=student_random_seed
)
random_forest.fit(X_train, y_train)
accuracy = random_forest.OOB_score(X_test, y_test)
print("accuracy: %.4f" % accuracy)
```

accuracy: 0.8753

DON'T FORGET: Once you are satisfied with your chosen parameters, change the values for `max_depth` , `n_estimators` , and `max_features` in the `select_hyperparameters()` function of your RandomForest class in `random_forest.py` to your chosen values, and then submit this file to Gradescope. You must achieve at least a **85% accuracy** against the test set in Gradescope to receive full credit for this section.

Below is a code block that plots a confusion matrix for the classifier's predictions on the test set. A few things to think about: What are some trends seen in the matrix? Why do they happen?

In [131...
```
from sklearn.metrics import ConfusionMatrixDisplay

pred = random_forest.predict(X_test)
labels = ["Seker", "Barbunya", "Bombay", "Cali", "Horoz", "Sira", "Dermason"]
ConfusionMatrixDisplay.from_predictions(
    y_test, pred, display_labels=labels, xticks_rotation="vertical"
)
plt.show()
```
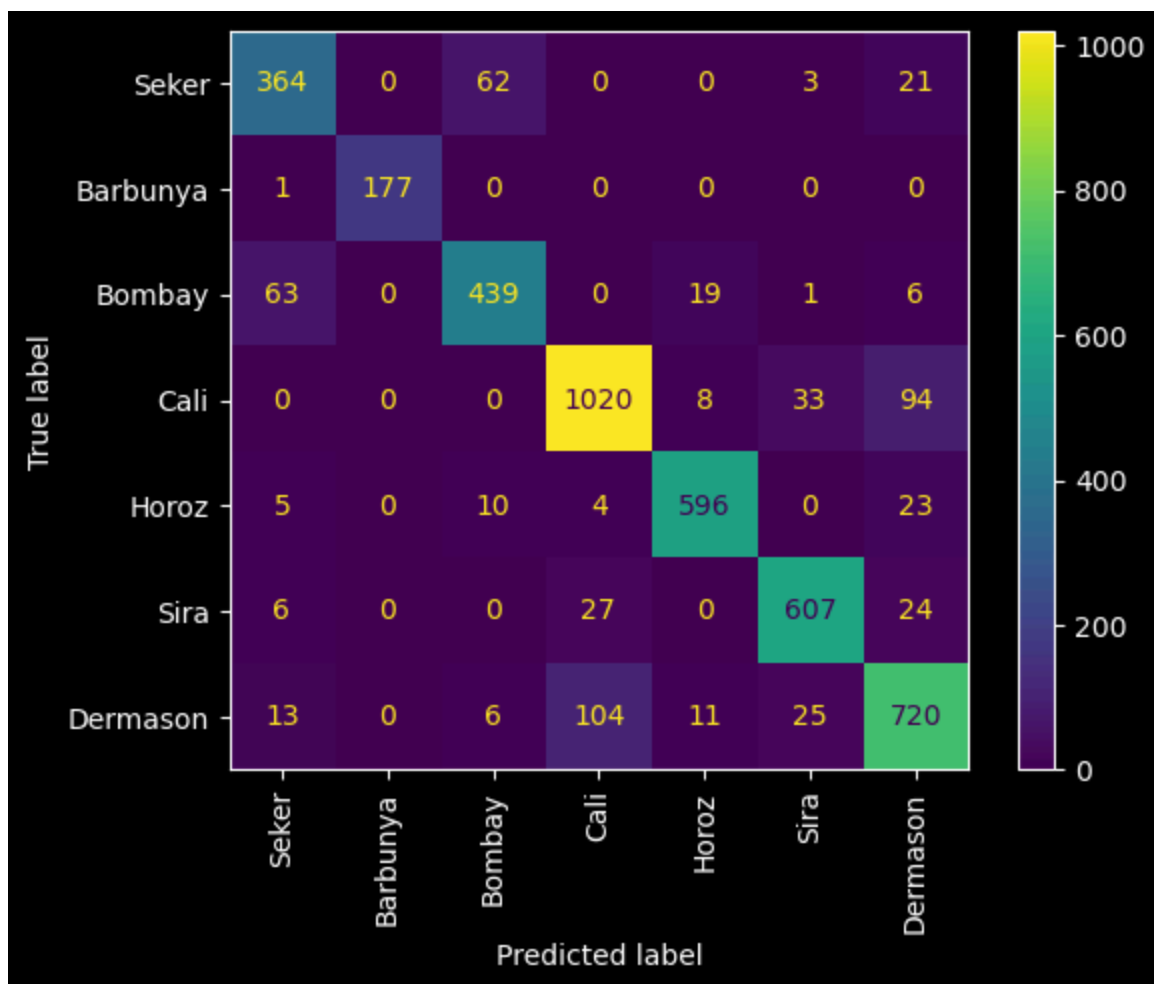
3.3 Plotting Feature Importance [1.1% Bonus for All] ** [W]**

While building tree-based models, it's common to quantify how well splitting on a particular feature in an extra tree helps with predicting the target label in a dataset. Machine learning practicioners typically use "Gini importance", or the (normalized) total reduction in entropy brought by that feature to evaluate how important that feature is for predicting the target variable.

Gini importance is typically calculated as the reduction in entropy from reaching a split in an extra tree weighted by the probability of reaching that split in the extra tree. Sklearn internally computes the probability for reaching a split by finding the total number of samples that reaches it during the training phase divided by the total number of samples in the dataset. This weighted value is our feature importance.

Let's think about what this metric means with an example. A high probabiity of reaching a split on feature A in an extra tree trained on a dataset (many samples will reach this split for a decision) and a large reduction in entropy from splitting on feature A will result in a high feature importance value for feature A. This could mean feature A is a very important feature for predicting the probability of the target label. On the other hand, a low probability of reaching a split on feature B in an extra tree and a low reduction in entropy from splitting on

feature B will result in a low feature importance value. This could mean feature B is not a very informative feature for predicting the target label. **Thus, the higher the feature importance value, the more important the feature is to predicting the target label.**

Fortunately for us, fitting a sklearn.ExtraTreeClassifier to a dataset automatically computes the Gini importance for every feature in the extra tree and stores these values in a **feature*importances*|** variable. [Review the docs for more details on how to access this variable](#)

In the **random_forest.py** file, complete the following function:

* **plot_feature_importance**: Make sure to sort the bars in descending order and remove any features with feature importance of 0

In the cell below, call your implementation of `plot_feature_importance()` and display a bar plot that shows the feature importance values for at least one extra tree in your tuned random forest from Q3.2.

```
In [1]:   # TODO: Complete plot_feature_importance() in random_forest.py

          random_forest.plot_feature_importance(X)
```

Note that there isn't one "correct" answer here. We simply want you to investigate how different features in your random forest contribute to predicting the target variable.

Also note that: the number of features can be different if you change max_features value since it ends up changing the number of features considered in bootstrapped datasets.

4: (Bonus for All) SVM [7.8%] **[W]** **[P]**

4.1 Fitting an SVM classifier by hand [5.5%] **[W]**

Consider a dataset with the following points in 2-dimensional space:

x_1	x_2	y
-2	-2	-1
-2	-3	-1
-1	-3	-1
1	-1	1
2	-1	1
2	-2	1

Here, x_1 and x_2 are features and y is the label.

The max margin classifier has the formulation,

$$\min \|\theta\|^2$$

$$s.t.\ \ y_i(\mathbf{x_i}\theta + b) \geq 1 \quad \forall\, i$$

Hint: $\mathbf{x_i}$ are the suppport vectors. Margin is equal to $\frac{1}{\|\theta\|}$ and full margin is equal to $\frac{2}{\|\theta\|}$. You might find it useful to plot the points in a 2D plane. When calculating the θ you don't need to consider the bias term.

(1) Are the points linearly separable? Does adding the point $\mathbf{x} = (1, -2)$, $y = 1$ change the separability? (2 pts)

(2) According to the max-margin formulation, find the separating hyperplane. Do not consider the new point from part 1 in your calculations for this current question or subsequent parts. (You should give some kind of explanation or calculation on how you found the hyperplane, you may solve this question graphically.) (4 pts)

(3) Find a vector parallel to the optimal vector θ. (Hint: Recall whether the optimal vector is parallel or perpendicular to the separating hyperplane.) (4 pts)

(4) Calculate the value of the margin (single-sided) achieved by this θ? (4 pts)

(5) Solve for θ, given that the margin is equal to $1/\|\theta\|$. (4 pts)

(6) If we remove one of the points from the original data the SVM solution might change. Find all such points which change the solution. (2 pts)

(7) Consider the optimization formulation stated above. Why do we want to optimzie $\|\theta\|^2$ instead of $\|\theta\|$? (2 pts)

(8) Plot the features x_1 and x_2, based on label y (use different color for different label), ignoring the hypothetical point mentioned in part (1). Please also included the separating hyperplane in the plot (4 pts)

```
In [ ]:   # TODO (question 8): plot the points listed in the table
```

4.2 Feature Mapping [2.3%] **[P]**

Let's look at a dataset where the datapoint can't be classified with a good accuracy using a linear classifier. Run the below cell to generate the dataset.

We will also see what happens when we try to fit a linear classifier to the dataset.

there are some suggestion readings:

https://see.stanford.edu/materials/aimlcs229/cs229-notes3.pdf

https://web.mit.edu/6.034/wwwbob/svm-notes-long-08.pdf

https://www.sjsu.edu/faculty/guangliang.chen/Math251F18/lec6svm.pdf

```
In [20]:  ###############################
          ### DO NOT CHANGE THIS CELL ###
          ###############################
          # Generate dataset

          random_state = 1

          np.random.seed(0)
          theta = np.linspace(0, 2 * np.pi, 1000)
          r = np.random.uniform(0.8, 1.2, 1000)
          X = np.column_stack([r * np.cos(theta), r * np.sin(theta)])
          y = np.logical_or(theta < np.pi, theta >= 2 * np.pi)
          X[y == 0, 0] += 1
          X[y == 0, 1] += 0.5

          R = np.array([[0, -1], [1, 0]])

          X_rotated = X.dot(R.T)

          X_train, X_test, y_train, y_test = train_test_split(
              X_rotated, y, test_size=0.20, random_state=random_state
          )

          f, ax = plt.subplots(nrows=1, ncols=1, figsize=(5, 5))
          plt.scatter(X_rotated[:, 0], X_rotated[:, 1], c=y, marker="o", s=12)
          plt.xlabel("X_1")
          plt.ylabel("X_2")
          plt.show()
```
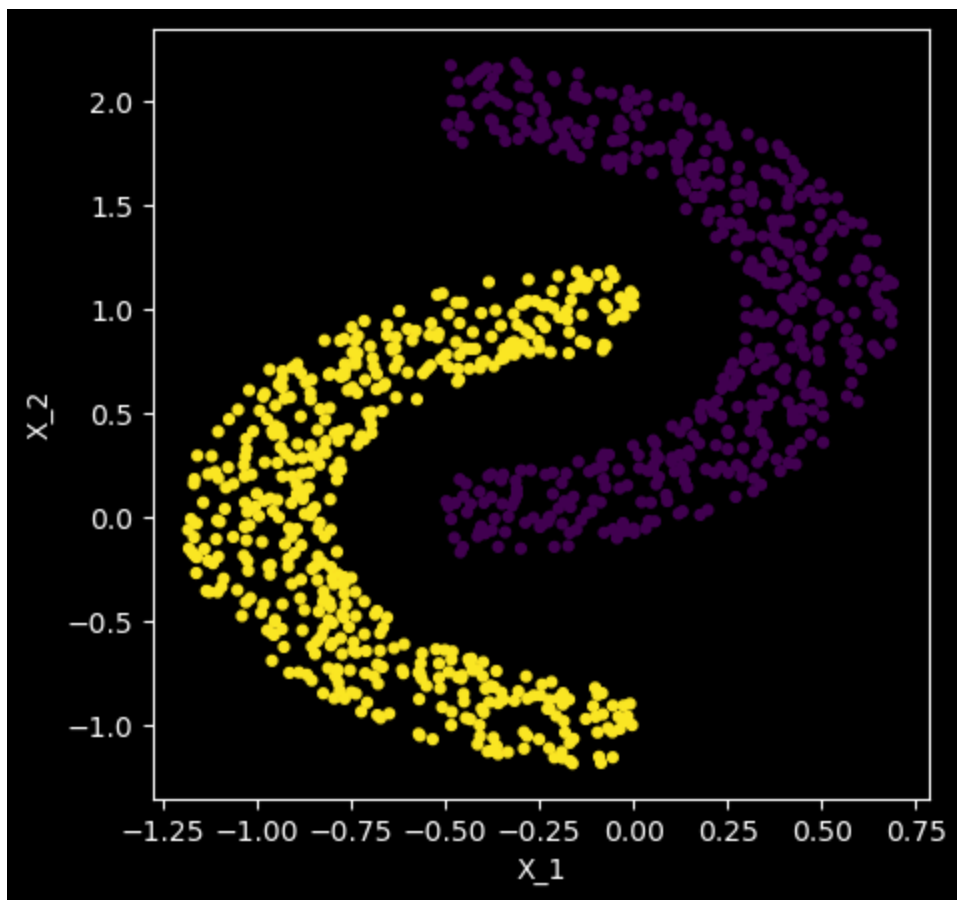
```
In [23]:   ###############################
           ### DO NOT CHANGE THIS CELL ###
           ###############################


           def visualize_decision_boundary(X, y, feature_new=None, h=0.02):
               """
               You don't have to modify this function

               Function to vizualize decision boundary

               feature_new is a function to get X with additional features
               """
               x1_min, x1_max = X[:, 0].min() - 1, X[:, 0].max() + 1
               x2_min, x2_max = X[:, 1].min() - 1, X[:, 1].max() + 1
               xx_1, xx_2 = np.meshgrid(np.arange(x1_min, x1_max, h), np.arange(x2_min, x2

               if X.shape[1] == 2:
                   Z = svm_cls.predict(np.c_[xx_1.ravel(), xx_2.ravel()])
               else:
                   X_conc = np.c_[xx_1.ravel(), xx_2.ravel()]
                   X_new = feature_new(X_conc)
                   Z = svm_cls.predict(X_new)
               Z = Z.reshape(xx_1.shape)

               f, ax = plt.subplots(nrows=1, ncols=1, figsize=(5, 5))
               plt.contourf(xx_1, xx_2, Z, cmap=plt.cm.coolwarm, alpha=0.8)
               plt.scatter(X[:, 0], X[:, 1], c=y, cmap=plt.cm.coolwarm)
               plt.xlabel("X_1")
               plt.ylabel("X_2")
               plt.xlim(xx_1.min(), xx_1.max())
```

```
        plt.ylim(xx_2.min(), xx_2.max())
        plt.xticks(())
        plt.yticks(())

        plt.show()
```
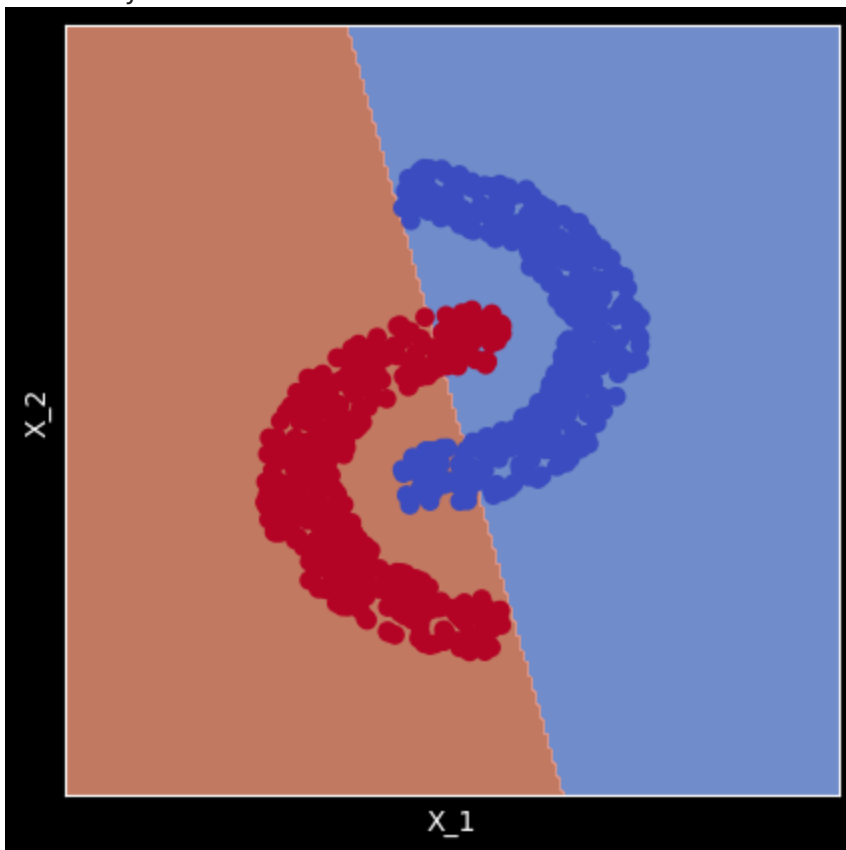
In [24]:
```
##############################
### DO NOT CHANGE THIS CELL ###
##############################
# Try to fit a linear classifier to the dataset


svm_cls = svm.LinearSVC()
svm_cls.fit(X_train, y_train)
y_test_predicted = svm_cls.predict(X_test)

print("Accuracy on test dataset: {}".format(accuracy_score(y_test, y_test_pred

visualize_decision_boundary(X_train, y_train)
```

Accuracy on test dataset: 0.865

We can see that we need a non-linear boundary to be able to successfully classify data in this dataset. By mapping the current feature x to a higher space with more features, linear SVM could be performed on the features in the higher space to learn a non-linear decision boundary. In feature.py, modify create_nl_feature() to add additional features which can help classify in the above dataset. After creating the additional features use code in the further cells to see how well the features perform on the test set.

Note: You should get a test accuracy above 85%

Hint: Think of the shape of the decision boundary that would best separate the above points. What additional features could help map the linear boundary to the non-linear one? Look at this for a detailed analysis of doing the same for points separable with a circular boundary

TODO: Implement the **create_nl_feature** function in **feature.py**. There are many possible solutions to producing a decision boundary; think creatively!

In [26]:
```python
###############################
### DO NOT CHANGE THIS CELL ###
###############################
from feature import create_nl_feature

X_new = create_nl_feature(X_rotated)
X_train, X_test, y_train, y_test = train_test_split(
    X_new, y, test_size=0.20, random_state=random_state
)
```

In [27]:
```python
###############################
### DO NOT CHANGE THIS CELL ###
###############################
# Fit to the new features and vizualize the decision boundary
# You should get more than 90% accuracy on test set

svm_cls = svm.LinearSVC()
svm_cls.fit(X_train, y_train)
y_test_predicted = svm_cls.predict(X_test)

print("Accuracy on test dataset: {}".format(accuracy_score(y_test, y_test_pred

visualize_decision_boundary(X_train, y_train, create_nl_feature)
```

Accuracy on test dataset: 0.995
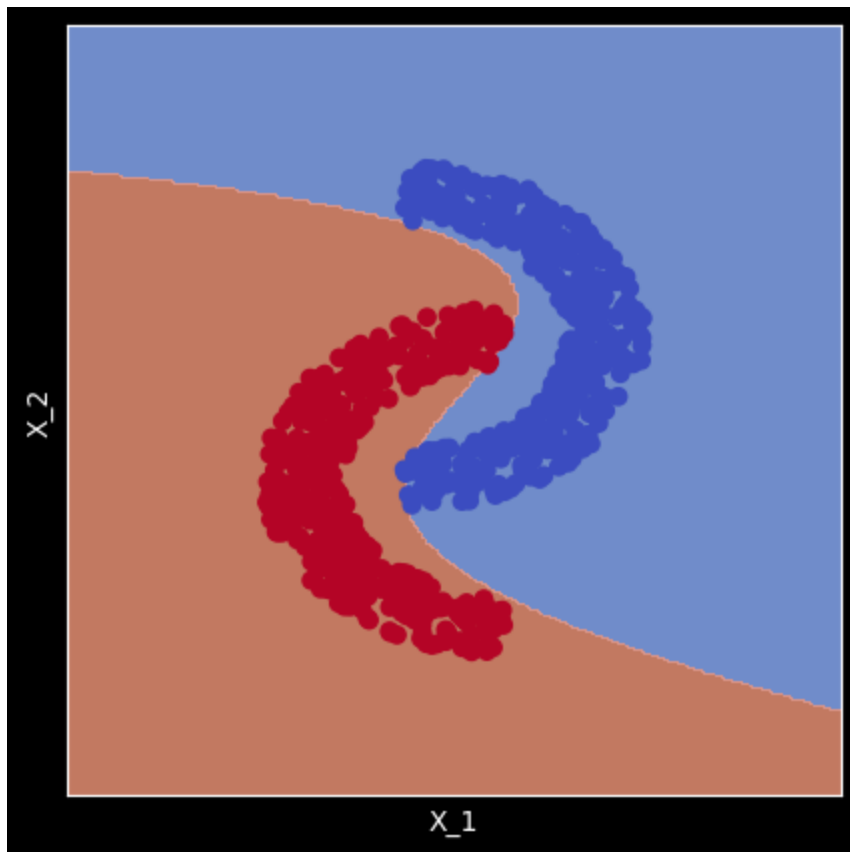
```
In [103…   tracker.stop()
```

```
[codecarbon INFO @ 11:00:15] Energy consumed for RAM : 0.003018 kWh. RAM Power
: 6.0 W
[codecarbon INFO @ 11:00:15] Energy consumed for all CPUs : 0.021380 kWh. Tota
l CPU Power : 42.5 W
[codecarbon INFO @ 11:00:15] 0.024398 kWh of electricity used since the beginn
ing.
/Users/nottaylor629/anaconda3/envs/ml_hw1/lib/python3.11/site-packages/codecar
bon/output.py:168: FutureWarning: The behavior of DataFrame concatenation with
empty or all-NA entries is deprecated. In a future version, this will no longe
r exclude empty or all-NA columns when determining the result dtypes. To retai
n the old behavior, exclude the relevant entries before the concat operation.
  df = pd.concat([df, pd.DataFrame.from_records([dict(data.values)]])])
```

```
Out[103]:   0.011086032579886301
```

```
In [ ]:
```