

# Deep learning

## Hw3

# Lyric generation using RNN's

Presented by:

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<https://github.com/DanielKuz/Lyrics-generation-with-midi>

Enjoy reading 😊!

## **Data:**

In this task we trained a model based on 600 samples which are songs, composed of lyrics and a midi file that holds the corresponding song's melody and features that describe the different instruments playing as well as more music related features. The test set consists of 5 samples i.e., songs as described above. During the reading of the samples and midi files problem arose with few duplicate songs and a few corrupted midi files. Finally we end up with 584 train samples later divided to 30 validation samples and 554 training samples.

## **Preprocessing:**

In this section, we preprocess the lyrics data and extract features from the MIDI files to create the training and validation datasets.

First, we create a vocabulary list called vocab to store all unique words present in both the training and test lyrics. We iterate over the 'Lyrics' column of the df (training) and test\_df (test) dataframes, split each song's lyrics into words, and extend the vocab list with these words. Finally, we remove duplicates from the vocab list using set() and convert it back to a list.

Next, we define the adjust\_piano\_roll:

1. The adjust\_piano\_roll function is used to adjust the piano roll representation of a MIDI file based on the number of words in the corresponding lyrics.
2. It takes three parameters: midi\_file (the MIDI file object), curr\_lyrics\_len (the length of the current lyrics), and target\_frequency (the desired frequency for the piano roll representation, default is 40).
3. The function calculates an adjusted frequency (adjusted\_frequency) by multiplying the target frequency with the ratio of the number of words in the lyrics to the length of the MIDI file.
4. It then obtains the piano roll representation of the MIDI file using the get\_piano\_roll function from Pretty MIDI, specifying the adjusted frequency as the sampling rate.
5. The piano roll is split into segments corresponding to each word in the lyrics. The segment size is calculated by dividing the number of time steps in the piano roll by the number of words.
6. If the number of segments is less than the number of words, zero vectors are appended to the adjusted\_segments list to ensure that the number of segments matches the number of words.
7. The function returns the adjusted\_segments list, which contains the adjusted piano roll representation for each word in the lyrics.
8. This will be our second method.

We also define the `midi_to_feature_vector` function:

1. The `midi_to_feature_vector` function is used to extract a chroma vector representation from a MIDI file.
2. It takes the `midi_data` (MIDI file object) as input and attempts to extract the chroma features using the `get_chroma` function from Pretty MIDI.
3. The chroma features are extracted at a sampling rate of 1 Hz, meaning one chroma vector per second.
4. The function calculates the mean of the chroma vectors across time steps using `mean(axis=0)` to obtain a single chroma vector representation for the entire MIDI file.
5. If an exception occurs during the chroma extraction process, the function returns `None`.
6. This will be our first method as a proof of concept.

When choosing between the methods we want to get methods that are in the same concept but act differently. So the choice was clear to compare between `get_chroma` and `get_pianoroll` as they act the same but look at totally different things in the context of the midi:

In general, `get_pianoroll()` is preferred when you need a detailed representation of the music, preserving the exact pitches and their temporal information. This representation is more suitable for tasks that require a high degree of precision, such as melody transcription or music generation.

On the other hand, `get_chroma()` is often preferred when you are more interested in the harmonic aspects of the music, such as chord progressions and key detection. The chromagram representation provides a compact and octave-invariant representation of the pitch class distribution, which can be useful for tasks like harmonic analysis or music similarity estimation.

So following the analysis above we opt to choose the second method for piano roll as we are investigating the best way to generate music based on midi data and lyrics.

The `process_midi_files_train` function is used to process the MIDI files in the training dataset. It takes the directory containing the MIDI files and a method parameter as input. It iterates over each MIDI file in the directory, extracts the song name, and retrieves the corresponding lyrics and song length from the `df` dataframe. Depending on the specified method, it either calls the `midi_to_feature_vector` function to obtain a chroma vector representation (`method1`) or the `adjust_piano_roll` function to obtain adjusted piano roll segments (`method2`). It appends the song name, vector representation, and lyrics to lists. After it creates a melody dataframe (`melody_df`) with columns "Song Name", "Vector Representation", and "Lyrics", and applies lowercase conversion and underscore removal to the song names.

The preprocessing step ensures that the lyrics are "tokenized" into words, a vocabulary is created, and relevant features are extracted from the MIDI files. The resulting melody\_df dataframe contains the processed data ready for training the model.

### Model:

#### Choice of GRU (Gated Recurrent Unit):

we have chosen to use GRU layers in your model architecture.

GRUs are a type of RNN that can effectively capture long-term dependencies in sequential data, such as music and lyrics.

Compared to simple RNNs, GRUs have gates (update,reset) that help regulate the flow of information and mitigate the vanishing gradient problem.

By using GRUs, our model can learn and retain relevant information from previous time steps, making it suitable for generating coherent and context-aware lyrics.

Reasons for choosing GRU over more complex LSTM:

- In many cases, GRU and LSTM have been shown to achieve similar performance on various tasks, including sequence generation.
- **Due to their simpler architecture, GRU can be faster to train and require less computational resources compared to LSTM. we have limited computational resources and need faster training times, then GRU it is.**
- Due to their simpler structure, GRUs may be less prone to overfitting compared to LSTMs, especially when working with smaller datasets like ours which is only 580ish lyrics data, although each lyric contains a lot of tokens it is still considered a small dataset with the huge midi options combined.
- In certain domains, such as music or audio processing, GRUs have been widely used and have shown good performance.

Ultimately, the decision to use GRU or LSTM should be based on empirical evaluation and experimentation on the task and dataset. So better to try and experiment with the model type which we could do because of the lack of time.

#### Input Embeddings and Melody Information:

The model takes two main inputs: input embeddings (x) and melody information (m).

The input embeddings represent the words in the lyrics, and they are obtained by mapping each word to a dense vector representation, such as word embeddings.

The melody information represents the musical features or characteristics associated with each time step or word in the lyrics. In our case we use the method 1 and method2 for the midi data extraction which are get\_chroma and get\_pianoroll respectively

By incorporating both the input embeddings and melody information, **our model can learn to generate lyrics that are influenced by both the textual context and the corresponding musical features.**

### Melody Input Processing:

You have experimented with different methods for processing and integrating the melody information into your model.

In 'method1', we apply a linear transformation to the melody input using `linear_melody` and then concatenate it with the input embeddings at each time step.

In 'method2', you remove an extra dimension from the melody input and repeat it to match the size of the input embeddings. We pad or truncate the melody input to match the size of the input embeddings.

These different processing techniques allow your model to effectively incorporate the melody information and align it with the corresponding words in the lyrics.

### Hidden State and GRU Layers:

Our model has a hidden state ( $h$ ) that captures the relevant information from previous time steps.

The initial hidden state is initialized using the `init_hidden` method, which creates a tensor of zeros with dimensions based on the number of GRU layers, batch size, and hidden size.

The input embeddings and processed melody information are concatenated and passed through the GRU layers.

The GRU layers learn to update the hidden state based on the current input and the previous hidden state, allowing the model to capture long-term dependencies and generate contextually relevant lyrics.

### Output and Vocabulary:

After processing the input through the GRU layers, the model produces an output tensor.

The output tensor is then passed through a linear layer (`linear`) to map it to the size of the vocabulary.

The resulting logits represent the unnormalized probabilities over the vocabulary at each time step.

During training, these logits can be used to compute the loss and optimize the model parameters.

During testing, the logits are taken with the highest one to generate the next word in the lyrics.

### Training Experiments:

In this section, we will discuss the training experiments. The code demonstrates the training process for two different methods: 'method1' and 'method2'.

### Method 1:

For 'method1', the code sets up the training parameters, including the learning rate, batch sizes, hidden size, number of layers, and other hyperparameters. The data is split into training and validation sets using the `'train_test_split'` function from scikit-learn, with 5% of the data used for validation. The `'LyricsAndMelodyData1'` dataset class is used to preprocess and load the data. It takes the training and validation dataframes, the word2vec model, and the vocabulary as input.

The Model is instantiated with the specified hyperparameters, including the lyric input size, melody vector size, hidden size, number of layers, and vocabulary size. The model is moved to the specified.

The training loop is then executed for a specified number of epochs(test showed that 15 in most cases is sufficient due to the use of simple GRU) . In each epoch, the model is trained on the training data using the `'train_dataloader'`. The loss is computed using the `'CrossEntropyLoss'` criterion, and the optimizer is used to update the model's parameters. After each training epoch, the model is evaluated on the validation set using the `'val_dataloader'`. The validation loss is computed, and both the training and validation losses are logged.

### Method 2:

The training process for 'method2' follows a similar structure as 'method1', with a few differences in the dataset preprocessing and model architecture.

The `'LyricsAndMelodyDataMethod2'` dataset class is used to preprocess and load the data for 'method2'. It handles the padding and truncation of melody vectors and lyrics differently compared to 'method1'. The training loop is executed for a specified number of epochs(15) , similar to 'method1'. The model is trained on the training data, and the validation loss is computed after each epoch. The training and validation losses are logged.

### Hyperparameter GridSearch:

The code also includes a section for hyperparameter tuning. It defines a set of hyperparameter values to search over, including learning rates, batch sizes, and dropout values. The `'itertools.product'` function is used to generate all possible combinations of these hyperparameters. For each hyperparameter combination, a new instance of the model is created, and the training process is executed. The best model and its corresponding hyperparameters are stored based on the validation loss.

The hyperparameter tuning process helps identify the best combination of hyperparameters that yield the lowest validation loss. The best model is saved to a file for future use.

### Prediction Task:

In the prediction task, the trained model is used to generate lyrics based on given input words and melodies. The ``LyricsAndMelodyDataTest`` dataset class is used to preprocess the test data. It handles the preprocessing of lyrics and melodies similar to the training data.

The ``process_midi_files_test`` function is used to process the MIDI files for the test set. It extracts the song names, vector representations, and lyrics from the MIDI files and returns them as a DataFrame.

The ``predict`` function is defined to generate lyrics using the trained model. It takes the model, input text, melody, device, vocabulary, and other parameters as input. For each input word, the function retrieves its word embedding from the word2vec model. If the word is not present in the word2vec model, a zero vector is used instead. The function then enters a loop to generate the next words. At each step, it predicts the logits for the next word using the current input word and melody. It samples a word index from the logits using the ``OneHotCategorical`` and retrieves the corresponding word from the vocabulary.

**To make the prediction deterministic, the ``argmax`` function is used to select the word index with the highest probability instead of sampling randomly.**

The generated word is appended to the list of words, and its embedding is used as input for the next step. The loop continues until either a specified maximum number of words is generated.

The `result` function is used to generate a DataFrame containing the generated lyrics for each test song. It takes the trained model, input words, test melodies, device, vocabulary, and other parameters as input. It iterates over the test songs and generates lyrics using the ``predict`` function for each input word.

Finally, the generated results are stored in a DataFrame, including the song name, input word, and generated lyrics.

**The prediction task demonstrates how the trained model can be used to generate lyrics based on given input words and melodies. The deterministic approach ensures that the generated lyrics are consistent across multiple runs.**

### **Intresting insights from the results:**

1. Contextual Relevance sometimes:
  - The generated lyrics seem to exhibit some level of contextual relevance to the songs and the starting seed words.
  - For example, in the song "Eternal Flame," the lyrics generated with the seed word "dear" contain phrases like "eternal cuff" and "delight case" which have a somewhat romantic or emotional tone that aligns with the song title. Or words likes "deny abilene," which is very important in emotional context

## 2. Incorporation of Melody Information:

- The generated lyrics seem to be influenced by the melody information provided to the model.
- The lyrics generated for the same song but with different starting seed words exhibit variations in content and style, indicating that the model is considering both the textual input and the melody information when generating the lyrics.
- For instance, the lyrics generated for "All the Small Things" with the seed word "dear" have a different tone and content compared to the lyrics generated with the seed word "hiya," suggesting that the model is adapting the lyrics based on the melody and the starting word.

## 3. Vocabulary and Language Style:

- The generated lyrics incorporate a diverse range of vocabulary, including slang terms, pop culture references, and unconventional word combinations.

## 4. Unexpected Combinations:



- The model generates usually very bad results and the "lyrics" created are not coherent or make sense in anyway whatsoever, of course this is expected as the dataset is small and the methods used are simple and the model used is not up to a task like this ( for this we need to use transformers ).
- Examples include phrases like "aristocats lining," "torches oohhoo hated knees" which is funny because it makes sense because torch hits your knee and it hurts and then hated knees. But no sense in the song in any way. "contradictions mockery fearing," which demonstrate the model's really bad capabilities and although performing well when we train it, it is not the case in the testing. Which also comes to show that common sense is very important when creating a model.

## **Results:**

### Tensorboard graphs:

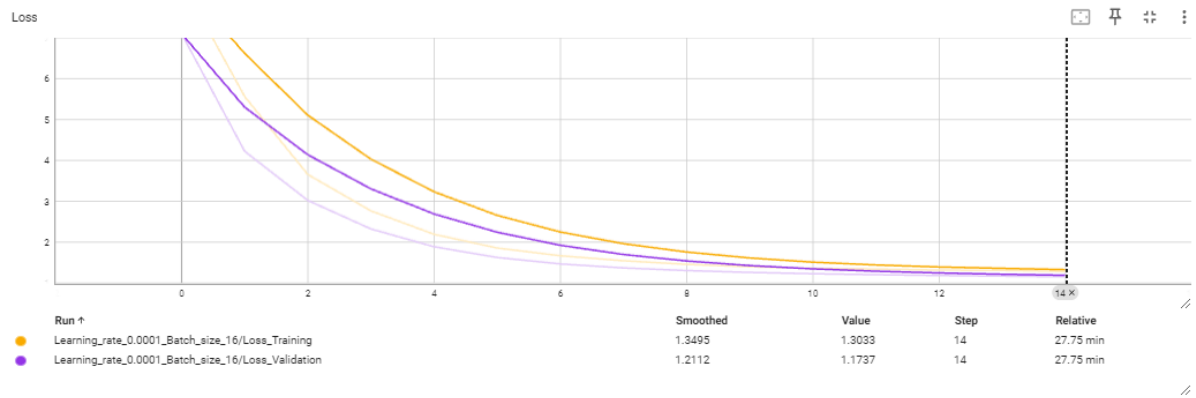
Note that all of the experiments are in one board for the grid search therefore I will add one graph without the highlighted results and one with them.

### Method1:

100% |  | 36/36 [01:53<00:00, 3.15s/it]  
100% |  | 30/30 [00:06<00:00, 4.82it/s]



Epoch0: Validation Loss: 7.1010 Training Loss: 8.3716  
100% | ██████████ | 36/36 [01:53<00:00, 3.15s/it]  
100% | ██████████ | 30/30 [00:06<00:00, 4.85it/s]  
Epoch1: Validation Loss: 4.2331 Training Loss: 5.5681  
100% | ██████████ | 36/36 [01:52<00:00, 3.13s/it]  
100% | ██████████ | 30/30 [00:06<00:00, 4.82it/s]  
Epoch2: Validation Loss: 3.0366 Training Loss: 3.6683  
100% | ██████████ | 36/36 [01:53<00:00, 3.15s/it]  
100% | ██████████ | 30/30 [00:06<00:00, 4.88it/s]  
Epoch3: Validation Loss: 2.3409 Training Loss: 2.7817  
100% | ██████████ | 36/36 [01:52<00:00, 3.12s/it]  
100% | ██████████ | 30/30 [00:06<00:00, 4.85it/s]  
Epoch4: Validation Loss: 1.9073 Training Loss: 2.2105  
100% | ██████████ | 36/36 [01:52<00:00, 3.13s/it]  
100% | ██████████ | 30/30 [00:06<00:00, 4.88it/s]  
Epoch5: Validation Loss: 1.6451 Training Loss: 1.8761  
100% | ██████████ | 36/36 [01:52<00:00, 3.13s/it]  
100% | ██████████ | 30/30 [00:06<00:00, 4.87it/s]  
Epoch6: Validation Loss: 1.4879 Training Loss: 1.6869  
100% | ██████████ | 36/36 [01:52<00:00, 3.12s/it]  
100% | ██████████ | 30/30 [00:06<00:00, 4.83it/s]  
Epoch7: Validation Loss: 1.3903 Training Loss: 1.5659  
100% | ██████████ | 36/36 [01:52<00:00, 3.13s/it]  
100% | ██████████ | 30/30 [00:06<00:00, 4.89it/s]  
Epoch8: Validation Loss: 1.3262 Training Loss: 1.4780  
100% | ██████████ | 36/36 [01:52<00:00, 3.13s/it]  
100% | ██████████ | 30/30 [00:06<00:00, 4.83it/s]  
Epoch9: Validation Loss: 1.2813 Training Loss: 1.4191  
100% | ██████████ | 36/36 [01:52<00:00, 3.13s/it]  
100% | ██████████ | 30/30 [00:06<00:00, 4.59it/s]  
Epoch10: Validation Loss: 1.2488 Training Loss: 1.3778  
100% | ██████████ | 36/36 [01:52<00:00, 3.13s/it]  
100% | ██████████ | 30/30 [00:06<00:00, 4.84it/s]  
Epoch11: Validation Loss: 1.2251 Training Loss: 1.3622  
100% | ██████████ | 36/36 [01:52<00:00, 3.13s/it]  
100% | ██████████ | 30/30 [00:06<00:00, 4.83it/s]  
Epoch12: Validation Loss: 1.2042 Training Loss: 1.3390  
100% | ██████████ | 36/36 [01:52<00:00, 3.11s/it]  
100% | ██████████ | 30/30 [00:06<00:00, 4.89it/s]  
Epoch13: Validation Loss: 1.1885 Training Loss: 1.3306  
100% | ██████████ | 36/36 [01:52<00:00, 3.13s/it]  
100% | ██████████ | 30/30 [00:06<00:00, 4.82it/s]  
Epoch14: Validation Loss: 1.1737 Training Loss: 1.3033



|                 |                  |
|-----------------|------------------|
| batch_size      | 16               |
| lr              | 1e-4             |
| epochs          | 15               |
| optimizer       | Adam             |
| criterion       | CrossEntropyLoss |
| Validation Loss | 1.1737           |
| Training Loss   | 1.3033           |
| dropout         | 0                |

### Method2:

100% | ██████████ | 36/36 [01:52<00:00, 3.13s/it]

100% | ██████████ | 30/30 [00:06<00:00, 4.88it/s]

Epoch0: Validation Loss: 7.4659 Training Loss: 8.5202

100% | ██████████ | 36/36 [01:52<00:00, 3.12s/it]

100% | ██████████ | 30/30 [00:06<00:00, 4.91it/s]

Epoch1: Validation Loss: 4.5480 Training Loss: 5.8672

100% | ██████████ | 36/36 [01:51<00:00, 3.10s/it]

100% | ██████████ | 30/30 [00:06<00:00, 4.90it/s]

Epoch2: Validation Loss: 3.2793 Training Loss: 3.9316

100% | ██████████ | 36/36 [01:51<00:00, 3.11s/it]

100% | ██████████ | 30/30 [00:06<00:00, 4.88it/s]

Epoch3: Validation Loss: 2.5326 Training Loss: 2.9906

100% | ██████████ | 36/36 [01:51<00:00, 3.10s/it]

100% | ██████████ | 30/30 [00:06<00:00, 4.83it/s]

Epoch4: Validation Loss: 2.0401 Training Loss: 2.3707

100% | ██████████ | 36/36 [01:51<00:00, 3.11s/it]

100% | ██████████ | 30/30 [00:06<00:00, 4.84it/s]

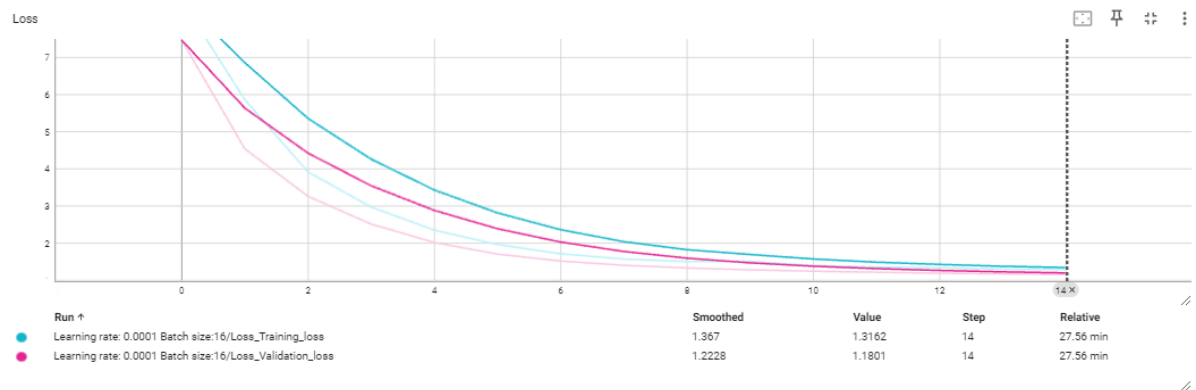
Epoch5: Validation Loss: 1.7282 Training Loss: 1.9851

100% | ██████████ | 36/36 [01:51<00:00, 3.10s/it]

100% | ██████████ | 30/30 [00:06<00:00, 4.88it/s]

Epoch6: Validation Loss: 1.5414 Training Loss: 1.7370

100%|██████████| 36/36 [01:51<00:00, 3.11s/it]  
 100%|██████████| 30/30 [00:06<00:00, 4.85it/s]  
 Epoch7: Validation Loss: 1.4276 Training Loss: 1.5954  
 100%|██████████| 36/36 [01:51<00:00, 3.10s/it]  
 100%|██████████| 30/30 [00:06<00:00, 4.86it/s]  
 Epoch8: Validation Loss: 1.3555 Training Loss: 1.5280  
 100%|██████████| 36/36 [01:52<00:00, 3.11s/it]  
 100%|██████████| 30/30 [00:06<00:00, 4.88it/s]  
 Epoch9: Validation Loss: 1.3043 Training Loss: 1.5264  
 100%|██████████| 36/36 [01:52<00:00, 3.12s/it]  
 100%|██████████| 30/30 [00:06<00:00, 4.85it/s]  
 Epoch10: Validation Loss: 1.2687 Training Loss: 1.4176  
 100%|██████████| 36/36 [01:51<00:00, 3.10s/it]  
 100%|██████████| 30/30 [00:06<00:00, 4.83it/s]  
 Epoch11: Validation Loss: 1.2409 Training Loss: 1.3804  
 100%|██████████| 36/36 [01:52<00:00, 3.11s/it]  
 100%|██████████| 30/30 [00:06<00:00, 4.89it/s]  
 Epoch12: Validation Loss: 1.2146 Training Loss: 1.3616  
 100%|██████████| 36/36 [01:51<00:00, 3.11s/it]  
 100%|██████████| 30/30 [00:06<00:00, 4.88it/s]  
 Epoch13: Validation Loss: 1.1955 Training Loss: 1.3264  
 100%|██████████| 36/36 [01:51<00:00, 3.11s/it]  
 100%|██████████| 30/30 [00:06<00:00, 4.88it/s]  
 Epoch14: Validation Loss: 1.1801 Training Loss: 1.3162



|                 |                  |
|-----------------|------------------|
| batch_size      | 16               |
| lr              | 1e-4             |
| epochs          | 15               |
| optimizer       | Adam             |
| criterion       | CrossEntropyLoss |
| Validation Loss | 1.1801           |
| Training Loss   | 1.3162           |

|         |   |
|---------|---|
|         |   |
| dropout | 0 |

Therefore I chose to work with method 2 for the gridsearch as it should be more fast in the macro scale.

#### Gridsearch:

The grid search is done over learning\_rates = [1e-4, 1e-5] batch\_sizes = [16, 32]  
dropout\_values = [0.2, 0]

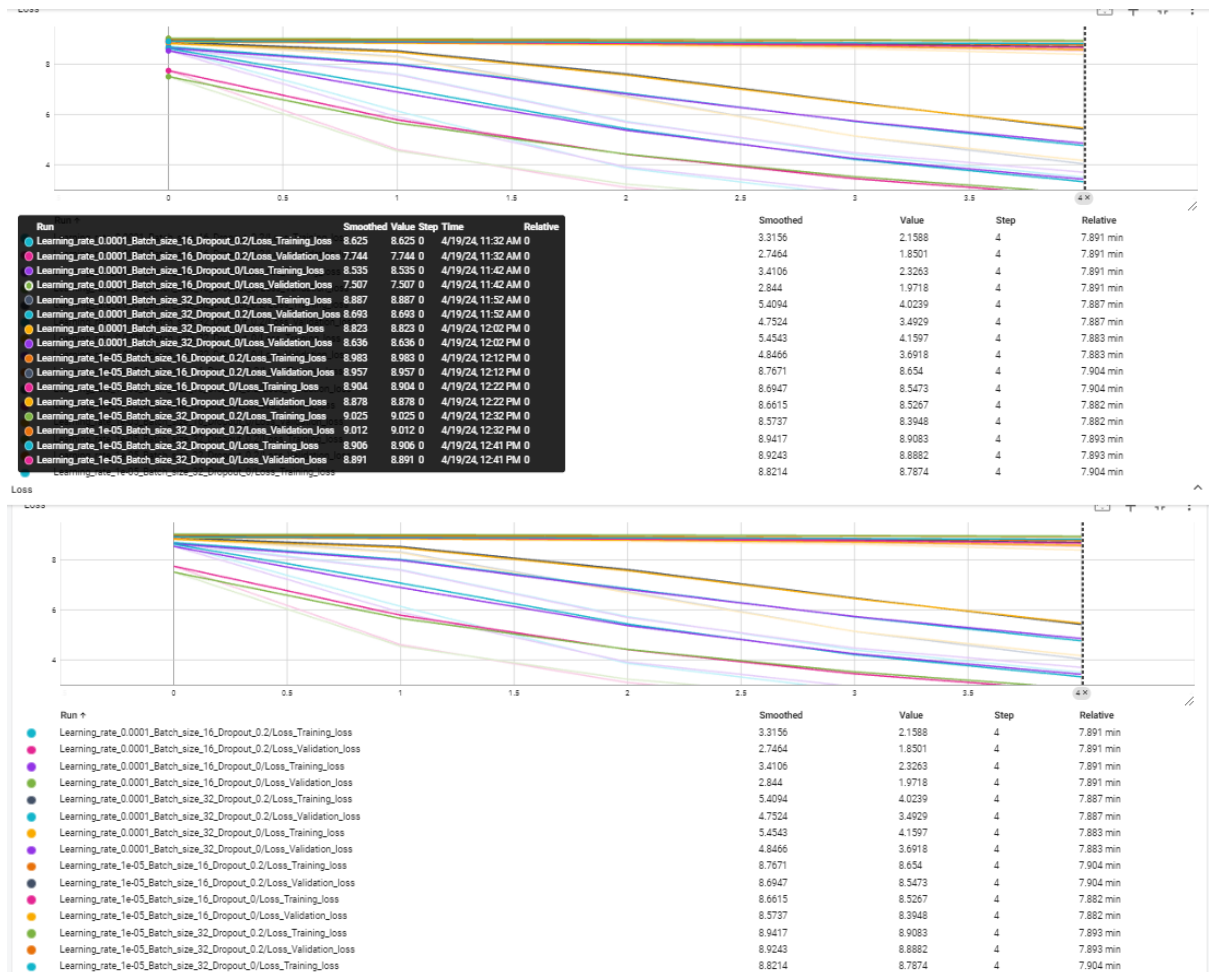
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100%|██████████| 36/36 [01:52<00:00, 3.12s/it]
100%|██████████| 30/30 [00:06<00:00, 4.86it/s]
Epoch 0: Validation Loss: 7.7445 Training Loss: 8.6246
100%|██████████| 36/36 [01:51<00:00, 3.11s/it]
100%|██████████| 30/30 [00:06<00:00, 4.88it/s]
Epoch 1: Validation Loss: 4.6032 Training Loss: 6.1330
100%|██████████| 36/36 [01:52<00:00, 3.12s/it]
100%|██████████| 30/30 [00:06<00:00, 4.89it/s]
Epoch 2: Validation Loss: 3.0830 Training Loss: 3.8529
100%|██████████| 36/36 [01:51<00:00, 3.11s/it]
100%|██████████| 30/30 [00:06<00:00, 4.87it/s]
Epoch 3: Validation Loss: 2.2903 Training Loss: 2.7603
100%|██████████| 36/36 [01:52<00:00, 3.12s/it]
100%|██████████| 30/30 [00:06<00:00, 4.87it/s]
Epoch 4: Validation Loss: 1.8501 Training Loss: 2.1588
Training with learning rate: 0.0001, batch size: 16, dropout: 0
100%|██████████| 36/36 [01:52<00:00, 3.12s/it]
100%|██████████| 30/30 [00:06<00:00, 4.83it/s]
Epoch 0: Validation Loss: 7.5074 Training Loss: 8.5352
100%|██████████| 36/36 [01:52<00:00, 3.12s/it]
100%|██████████| 30/30 [00:06<00:00, 4.87it/s]
Epoch 1: Validation Loss: 4.5418 Training Loss: 5.8982
100%|██████████| 36/36 [01:52<00:00, 3.13s/it]
100%|██████████| 30/30 [00:06<00:00, 4.86it/s]
Epoch 2: Validation Loss: 3.2198 Training Loss: 3.9054
100%|██████████| 36/36 [01:52<00:00, 3.11s/it]
100%|██████████| 30/30 [00:06<00:00, 4.81it/s]
Epoch 3: Validation Loss: 2.4537 Training Loss: 2.9187
100%|██████████| 36/36 [01:51<00:00, 3.10s/it]
100%|██████████| 30/30 [00:06<00:00, 4.88it/s]
Epoch 4: Validation Loss: 1.9718 Training Loss: 2.3263
Training with learning rate: 0.0001, batch size: 32, dropout: 0.2
100%|██████████| 18/18 [01:52<00:00, 6.26s/it]
100%|██████████| 30/30 [00:06<00:00, 4.85it/s]
Epoch 0: Validation Loss: 8.6930 Training Loss: 8.8872
100%|██████████| 18/18 [01:52<00:00, 6.24s/it]
100%|██████████| 30/30 [00:06<00:00, 4.83it/s]
Epoch 1: Validation Loss: 7.6043 Training Loss: 8.3140

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100%|██████████| 18/18 [01:51<00:00, 6.21s/it]  
100%|██████████| 30/30 [00:06<00:00, 4.85it/s]  
Epoch 2: Validation Loss: 5.7245 Training Loss: 6.7298  
100%|██████████| 18/18 [01:52<00:00, 6.23s/it]  
100%|██████████| 30/30 [00:06<00:00, 4.84it/s]  
Epoch 3: Validation Loss: 4.3906 Training Loss: 5.1294  
100%|██████████| 18/18 [01:51<00:00, 6.22s/it]  
100%|██████████| 30/30 [00:06<00:00, 4.83it/s]  
Epoch 4: Validation Loss: 3.4929 Training Loss: 4.0239  
Training with learning rate: 0.0001, batch size: 32, dropout: 0  
100%|██████████| 18/18 [01:52<00:00, 6.24s/it]  
100%|██████████| 30/30 [00:06<00:00, 4.88it/s]  
Epoch 0: Validation Loss: 8.6363 Training Loss: 8.8225  
100%|██████████| 18/18 [01:51<00:00, 6.22s/it]  
100%|██████████| 30/30 [00:06<00:00, 4.88it/s]  
Epoch 1: Validation Loss: 7.5812 Training Loss: 8.2786  
100%|██████████| 18/18 [01:52<00:00, 6.24s/it]  
100%|██████████| 30/30 [00:06<00:00, 4.84it/s]  
Epoch 2: Validation Loss: 5.6893 Training Loss: 6.6803  
100%|██████████| 18/18 [01:52<00:00, 6.23s/it]  
100%|██████████| 30/30 [00:06<00:00, 4.89it/s]  
Epoch 3: Validation Loss: 4.4626 Training Loss: 5.1323  
100%|██████████| 18/18 [01:51<00:00, 6.22s/it]  
100%|██████████| 30/30 [00:06<00:00, 4.93it/s]  
Epoch 4: Validation Loss: 3.6918 Training Loss: 4.1597  
Training with learning rate: 1e-05, batch size: 16, dropout: 0.2  
100%|██████████| 36/36 [01:52<00:00, 3.12s/it]  
100%|██████████| 30/30 [00:06<00:00, 4.84it/s]  
Epoch 0: Validation Loss: 8.9570 Training Loss: 8.9832  
100%|██████████| 36/36 [01:52<00:00, 3.12s/it]  
100%|██████████| 30/30 [00:06<00:00, 4.87it/s]  
Epoch 1: Validation Loss: 8.9012 Training Loss: 8.9311  
100%|██████████| 36/36 [01:52<00:00, 3.12s/it]  
100%|██████████| 30/30 [00:06<00:00, 4.88it/s]  
Epoch 2: Validation Loss: 8.8310 Training Loss: 8.8700  
100%|██████████| 36/36 [01:51<00:00, 3.11s/it]  
100%|██████████| 30/30 [00:06<00:00, 4.86it/s]  
Epoch 3: Validation Loss: 8.7277 Training Loss: 8.7880  
100%|██████████| 36/36 [01:52<00:00, 3.14s/it]  
100%|██████████| 30/30 [00:06<00:00, 4.86it/s]  
Epoch 4: Validation Loss: 8.5473 Training Loss: 8.6540  
Training with learning rate: 1e-05, batch size: 16, dropout: 0  
100%|██████████| 36/36 [01:52<00:00, 3.12s/it]  
100%|██████████| 30/30 [00:06<00:00, 4.89it/s]  
Epoch 0: Validation Loss: 8.8780 Training Loss: 8.9042  
100%|██████████| 36/36 [01:51<00:00, 3.11s/it]  
100%|██████████| 30/30 [00:06<00:00, 4.85it/s]

Epoch 1: Validation Loss: 8.8200 Training Loss: 8.8520  
 100%|██████████| 36/36 [01:52<00:00, 3.12s/it]  
 100%|██████████| 30/30 [00:06<00:00, 4.61it/s]  
 Epoch 2: Validation Loss: 8.7410 Training Loss: 8.7868  
 100%|██████████| 36/36 [01:51<00:00, 3.10s/it]  
 100%|██████████| 30/30 [00:06<00:00, 4.82it/s]  
 Epoch 3: Validation Loss: 8.6168 Training Loss: 8.6902  
 100%|██████████| 36/36 [01:51<00:00, 3.11s/it]  
 100%|██████████| 30/30 [00:06<00:00, 4.90it/s]  
 Epoch 4: Validation Loss: 8.3948 Training Loss: 8.5267  
 Training with learning rate: 1e-05, batch size: 32, dropout: 0.2  
 100%|██████████| 18/18 [01:52<00:00, 6.25s/it]  
 100%|██████████| 30/30 [00:06<00:00, 4.78it/s]  
 Epoch 0: Validation Loss: 9.0122 Training Loss: 9.0246  
 100%|██████████| 18/18 [01:52<00:00, 6.24s/it]  
 100%|██████████| 30/30 [00:06<00:00, 4.86it/s]  
 Epoch 1: Validation Loss: 8.9851 Training Loss: 8.9983  
 100%|██████████| 18/18 [01:52<00:00, 6.23s/it]  
 100%|██████████| 30/30 [00:06<00:00, 4.86it/s]  
 Epoch 2: Validation Loss: 8.9563 Training Loss: 8.9710  
 100%|██████████| 18/18 [01:51<00:00, 6.22s/it]  
 100%|██████████| 30/30 [00:06<00:00, 4.87it/s]  
 Epoch 3: Validation Loss: 8.9245 Training Loss: 8.9415  
 100%|██████████| 18/18 [01:52<00:00, 6.24s/it]  
 100%|██████████| 30/30 [00:06<00:00, 4.85it/s]  
 Epoch 4: Validation Loss: 8.8882 Training Loss: 8.9083  
 Training with learning rate: 1e-05, batch size: 32, dropout: 0  
 100%|██████████| 18/18 [01:52<00:00, 6.24s/it]  
 100%|██████████| 30/30 [00:06<00:00, 4.86it/s]  
 Epoch 0: Validation Loss: 8.8914 Training Loss: 8.9064  
 100%|██████████| 18/18 [01:52<00:00, 6.23s/it]  
 100%|██████████| 30/30 [00:06<00:00, 4.84it/s]  
 Epoch 1: Validation Loss: 8.8635 Training Loss: 8.8792  
 100%|██████████| 18/18 [01:52<00:00, 6.23s/it]  
 100%|██████████| 30/30 [00:06<00:00, 4.85it/s]  
 Epoch 2: Validation Loss: 8.8340 Training Loss: 8.8512  
 100%|██████████| 18/18 [01:52<00:00, 6.24s/it]  
 100%|██████████| 30/30 [00:06<00:00, 4.88it/s]  
 Epoch 3: Validation Loss: 8.8017 Training Loss: 8.8210  
 100%|██████████| 18/18 [01:52<00:00, 6.26s/it]  
 100%|██████████| 30/30 [00:06<00:00, 4.84it/s]  
 Epoch 4: Validation Loss: 8.7650 Training Loss: 8.7874  
 Best hyperparameters: Learning rate: 0.0001, Batch size: 16, Dropout: 0.2  
 Best validation loss: 1.8501



Best Hyperparameters results:

|            |        |
|------------|--------|
| batch_size | 16     |
| lr         | 0.0001 |
| epochs     | 5      |

|                 |                  |
|-----------------|------------------|
| optimizer       | Adam             |
| criterion       | CrossEntropyLoss |
| Validation Loss | 1.8501           |
| Training Loss   | 2.1588           |
| dropout         | 0.2              |

### GridSearch2:

After I identified that we should switch to a higher learning rate because of my limited resources and time to run the model I did a gridsearch over learning\_rates = [1e-3,1e-4] batch\_size = 16 dropout\_values = [0.2, 0,0.5] and because I updated the lr to be higher I wanted to add another dropout value which is bigger to help overcome overfit.

Training with learning rate: 0.001, batch size: 16, dropout: 0.2

```

100%|██████████| 36/36 [01:52<00:00, 3.12s/it]
100%|██████████| 30/30 [00:06<00:00, 4.82it/s]
Epoch 0: Validation Loss: 1.2904 Training Loss: 3.7140
100%|██████████| 36/36 [01:52<00:00, 3.13s/it]
100%|██████████| 30/30 [00:06<00:00, 4.86it/s]
Epoch 1: Validation Loss: 1.1085 Training Loss: 1.3267
100%|██████████| 36/36 [01:52<00:00, 3.13s/it]
100%|██████████| 30/30 [00:06<00:00, 4.86it/s]
Epoch 2: Validation Loss: 1.0524 Training Loss: 1.2163
100%|██████████| 36/36 [01:52<00:00, 3.12s/it]
100%|██████████| 30/30 [00:06<00:00, 4.88it/s]
Epoch 3: Validation Loss: 1.0189 Training Loss: 1.1594
100%|██████████| 36/36 [01:52<00:00, 3.12s/it]
100%|██████████| 30/30 [00:06<00:00, 4.85it/s]
Epoch 4: Validation Loss: 1.0268 Training Loss: 1.1557
100%|██████████| 36/36 [01:52<00:00, 3.12s/it]
100%|██████████| 30/30 [00:06<00:00, 4.60it/s]
Epoch 5: Validation Loss: 0.9973 Training Loss: 1.1283
100%|██████████| 36/36 [01:52<00:00, 3.11s/it]
100%|██████████| 30/30 [00:06<00:00, 4.89it/s]
Epoch 6: Validation Loss: 0.9916 Training Loss: 1.1380
100%|██████████| 36/36 [01:52<00:00, 3.12s/it]
100%|██████████| 30/30 [00:06<00:00, 4.88it/s]
Epoch 7: Validation Loss: 0.9863 Training Loss: 1.1170
100%|██████████| 36/36 [01:52<00:00, 3.12s/it]
100%|██████████| 30/30 [00:06<00:00, 4.83it/s]
Epoch 8: Validation Loss: 0.9846 Training Loss: 1.1171
100%|██████████| 36/36 [01:52<00:00, 3.11s/it]

```



100%|██████████| 30/30 [00:06<00:00, 4.85it/s]  
Epoch 9: Validation Loss: 0.9833 Training Loss: 1.1150  
Training with learning rate: 0.001, batch size: 16, dropout: 0  
100%|██████████| 36/36 [01:52<00:00, 3.13s/it]  
100%|██████████| 30/30 [00:06<00:00, 4.83it/s]  
Epoch 0: Validation Loss: 1.2967 Training Loss: 3.9307  
100%|██████████| 36/36 [01:52<00:00, 3.12s/it]  
100%|██████████| 30/30 [00:06<00:00, 4.90it/s]  
Epoch 1: Validation Loss: 1.1189 Training Loss: 1.3182  
100%|██████████| 36/36 [01:52<00:00, 3.11s/it]  
100%|██████████| 30/30 [00:06<00:00, 4.81it/s]  
Epoch 2: Validation Loss: 1.0695 Training Loss: 1.2229  
100%|██████████| 36/36 [01:52<00:00, 3.11s/it]  
100%|██████████| 30/30 [00:06<00:00, 4.80it/s]  
Epoch 3: Validation Loss: 1.0318 Training Loss: 1.1924  
100%|██████████| 36/36 [01:51<00:00, 3.11s/it]  
100%|██████████| 30/30 [00:06<00:00, 4.62it/s]  
Epoch 4: Validation Loss: 1.0113 Training Loss: 1.1453  
100%|██████████| 36/36 [01:52<00:00, 3.11s/it]  
100%|██████████| 30/30 [00:06<00:00, 4.83it/s]  
Epoch 5: Validation Loss: 1.0298 Training Loss: 1.1534  
100%|██████████| 36/36 [01:52<00:00, 3.13s/it]  
100%|██████████| 30/30 [00:06<00:00, 4.83it/s]  
Epoch 6: Validation Loss: 0.9912 Training Loss: 1.1310  
100%|██████████| 36/36 [01:51<00:00, 3.11s/it]  
100%|██████████| 30/30 [00:06<00:00, 4.80it/s]  
Epoch 7: Validation Loss: 0.9906 Training Loss: 1.1174  
Training with learning rate: 0.001, batch size: 16, dropout: 0.5  
100%|██████████| 36/36 [01:52<00:00, 3.12s/it]  
100%|██████████| 30/30 [00:06<00:00, 4.85it/s]  
Epoch 0: Validation Loss: 1.3056 Training Loss: 3.9696  
100%|██████████| 36/36 [01:52<00:00, 3.11s/it]  
100%|██████████| 30/30 [00:06<00:00, 4.86it/s]  
Epoch 1: Validation Loss: 1.1257 Training Loss: 1.3295  
100%|██████████| 36/36 [01:52<00:00, 3.12s/it]  
100%|██████████| 30/30 [00:06<00:00, 4.88it/s]  
Epoch 2: Validation Loss: 1.0754 Training Loss: 1.2253  
100%|██████████| 36/36 [01:52<00:00, 3.12s/it]  
100%|██████████| 30/30 [00:06<00:00, 4.87it/s]  
Epoch 3: Validation Loss: 1.0329 Training Loss: 1.1761  
100%|██████████| 36/36 [01:52<00:00, 3.12s/it]  
100%|██████████| 30/30 [00:06<00:00, 4.87it/s]  
Epoch 4: Validation Loss: 1.0089 Training Loss: 1.1435  
100%|██████████| 36/36 [01:52<00:00, 3.12s/it]  
100%|██████████| 30/30 [00:06<00:00, 4.88it/s]  
Epoch 5: Validation Loss: 1.0042 Training Loss: 1.1472  
100%|██████████| 36/36 [01:52<00:00, 3.12s/it]

100%|██████████| 30/30 [00:06<00:00, 4.87it/s]  
Epoch 6: Validation Loss: 0.9915 Training Loss: 1.1145  
100%|██████████| 36/36 [01:51<00:00, 3.11s/it]  
100%|██████████| 30/30 [00:06<00:00, 4.86it/s]  
Epoch 7: Validation Loss: 0.9948 Training Loss: 1.1331  
100%|██████████| 36/36 [01:52<00:00, 3.12s/it]  
100%|██████████| 30/30 [00:06<00:00, 4.90it/s]  
Epoch 8: Validation Loss: 0.9922 Training Loss: 1.1214  
100%|██████████| 36/36 [01:52<00:00, 3.12s/it]  
100%|██████████| 30/30 [00:06<00:00, 4.89it/s]  
Epoch 9: Validation Loss: 0.9951 Training Loss: 1.1107  
Training with learning rate: 0.0001, batch size: 16, dropout: 0.2  
100%|██████████| 36/36 [01:51<00:00, 3.11s/it]  
100%|██████████| 30/30 [00:06<00:00, 4.90it/s]  
Epoch 0: Validation Loss: 7.4260 Training Loss: 8.4329  
100%|██████████| 36/36 [01:52<00:00, 3.12s/it]  
100%|██████████| 30/30 [00:06<00:00, 4.83it/s]  
Epoch 1: Validation Loss: 4.4803 Training Loss: 5.8852  
100%|██████████| 36/36 [01:52<00:00, 3.12s/it]  
100%|██████████| 30/30 [00:06<00:00, 4.84it/s]  
Epoch 2: Validation Loss: 3.1064 Training Loss: 3.8327  
100%|██████████| 36/36 [01:52<00:00, 3.12s/it]  
100%|██████████| 30/30 [00:06<00:00, 4.88it/s]  
Epoch 3: Validation Loss: 2.3354 Training Loss: 2.7904  
100%|██████████| 36/36 [01:51<00:00, 3.11s/it]  
100%|██████████| 30/30 [00:06<00:00, 4.60it/s]  
Epoch 4: Validation Loss: 1.8890 Training Loss: 2.2093  
100%|██████████| 36/36 [01:51<00:00, 3.11s/it]  
100%|██████████| 30/30 [00:06<00:00, 4.81it/s]  
Epoch 5: Validation Loss: 1.6357 Training Loss: 1.8653  
100%|██████████| 36/36 [01:52<00:00, 3.12s/it]  
100%|██████████| 30/30 [00:06<00:00, 4.84it/s]  
Epoch 6: Validation Loss: 1.4861 Training Loss: 1.6876  
100%|██████████| 36/36 [01:52<00:00, 3.13s/it]  
100%|██████████| 30/30 [00:06<00:00, 4.79it/s]  
Epoch 7: Validation Loss: 1.3901 Training Loss: 1.5492  
100%|██████████| 36/36 [01:52<00:00, 3.11s/it]  
100%|██████████| 30/30 [00:06<00:00, 4.85it/s]  
Epoch 8: Validation Loss: 1.3247 Training Loss: 1.4752  
100%|██████████| 36/36 [01:52<00:00, 3.12s/it]  
100%|██████████| 30/30 [00:06<00:00, 4.85it/s]  
Epoch 9: Validation Loss: 1.2814 Training Loss: 1.4297  
Training with learning rate: 0.0001, batch size: 16, dropout: 0  
100%|██████████| 36/36 [01:51<00:00, 3.11s/it]  
100%|██████████| 30/30 [00:06<00:00, 4.85it/s]  
Epoch 0: Validation Loss: 7.7774 Training Loss: 8.6322  
100%|██████████| 36/36 [01:52<00:00, 3.11s/it]

100%|██████████| 30/30 [00:06<00:00, 4.82it/s]  
Epoch 1: Validation Loss: 4.8325 Training Loss: 6.1975  
100%|██████████| 36/36 [01:52<00:00, 3.13s/it]  
100%|██████████| 30/30 [00:06<00:00, 4.84it/s]  
Epoch 2: Validation Loss: 3.4620 Training Loss: 4.1919  
100%|██████████| 36/36 [01:52<00:00, 3.11s/it]  
100%|██████████| 30/30 [00:06<00:00, 4.84it/s]  
Epoch 3: Validation Loss: 2.6382 Training Loss: 3.1363  
100%|██████████| 36/36 [01:52<00:00, 3.12s/it]  
100%|██████████| 30/30 [00:06<00:00, 4.87it/s]  
Epoch 4: Validation Loss: 2.1012 Training Loss: 2.4755  
100%|██████████| 36/36 [01:52<00:00, 3.12s/it]  
100%|██████████| 30/30 [00:06<00:00, 4.84it/s]  
Epoch 5: Validation Loss: 1.7634 Training Loss: 2.0415  
100%|██████████| 36/36 [01:52<00:00, 3.12s/it]  
100%|██████████| 30/30 [00:06<00:00, 4.91it/s]  
Epoch 6: Validation Loss: 1.5590 Training Loss: 1.7754  
100%|██████████| 36/36 [01:52<00:00, 3.12s/it]  
100%|██████████| 30/30 [00:06<00:00, 4.83it/s]  
Epoch 7: Validation Loss: 1.4345 Training Loss: 1.6303  
100%|██████████| 36/36 [01:52<00:00, 3.12s/it]  
100%|██████████| 30/30 [00:06<00:00, 4.89it/s]  
Epoch 8: Validation Loss: 1.3545 Training Loss: 1.5039  
100%|██████████| 36/36 [01:52<00:00, 3.13s/it]  
100%|██████████| 30/30 [00:06<00:00, 4.88it/s]  
Epoch 9: Validation Loss: 1.3003 Training Loss: 1.4423  
Training with learning rate: 0.0001, batch size: 16, dropout: 0.5  
100%|██████████| 36/36 [01:52<00:00, 3.12s/it]  
100%|██████████| 30/30 [00:06<00:00, 4.86it/s]  
Epoch 0: Validation Loss: 7.5041 Training Loss: 8.4211  
100%|██████████| 36/36 [01:52<00:00, 3.11s/it]  
100%|██████████| 30/30 [00:06<00:00, 4.62it/s]  
Epoch 1: Validation Loss: 4.3991 Training Loss: 5.9203  
100%|██████████| 36/36 [01:52<00:00, 3.11s/it]  
100%|██████████| 30/30 [00:06<00:00, 4.87it/s]  
Epoch 2: Validation Loss: 2.8991 Training Loss: 3.6752  
100%|██████████| 36/36 [01:51<00:00, 3.11s/it]  
100%|██████████| 30/30 [00:06<00:00, 4.85it/s]  
Epoch 3: Validation Loss: 2.1452 Training Loss: 2.5999  
100%|██████████| 36/36 [01:51<00:00, 3.11s/it]  
100%|██████████| 30/30 [00:06<00:00, 4.84it/s]  
Epoch 4: Validation Loss: 1.7552 Training Loss: 2.0390  
100%|██████████| 36/36 [01:52<00:00, 3.13s/it]  
100%|██████████| 30/30 [00:06<00:00, 4.87it/s]  
Epoch 5: Validation Loss: 1.5522 Training Loss: 1.7602  
100%|██████████| 36/36 [01:52<00:00, 3.11s/it]  
100%|██████████| 30/30 [00:06<00:00, 4.86it/s]

Epoch 6: Validation Loss: 1.4394 Training Loss: 1.6319

100% | ██████████ | 36/36 [01:52<00:00, 3.12s/it]

100% | ██████████ | 30/30 [00:06<00:00, 4.83it/s]

Epoch 7: Validation Loss: 1.3664 Training Loss: 1.5267

100% | ██████████ | 36/36 [01:51<00:00, 3.11s/it]

100% | ██████████ | 30/30 [00:06<00:00, 4.88it/s]

Epoch 8: Validation Loss: 1.3117 Training Loss: 1.4841

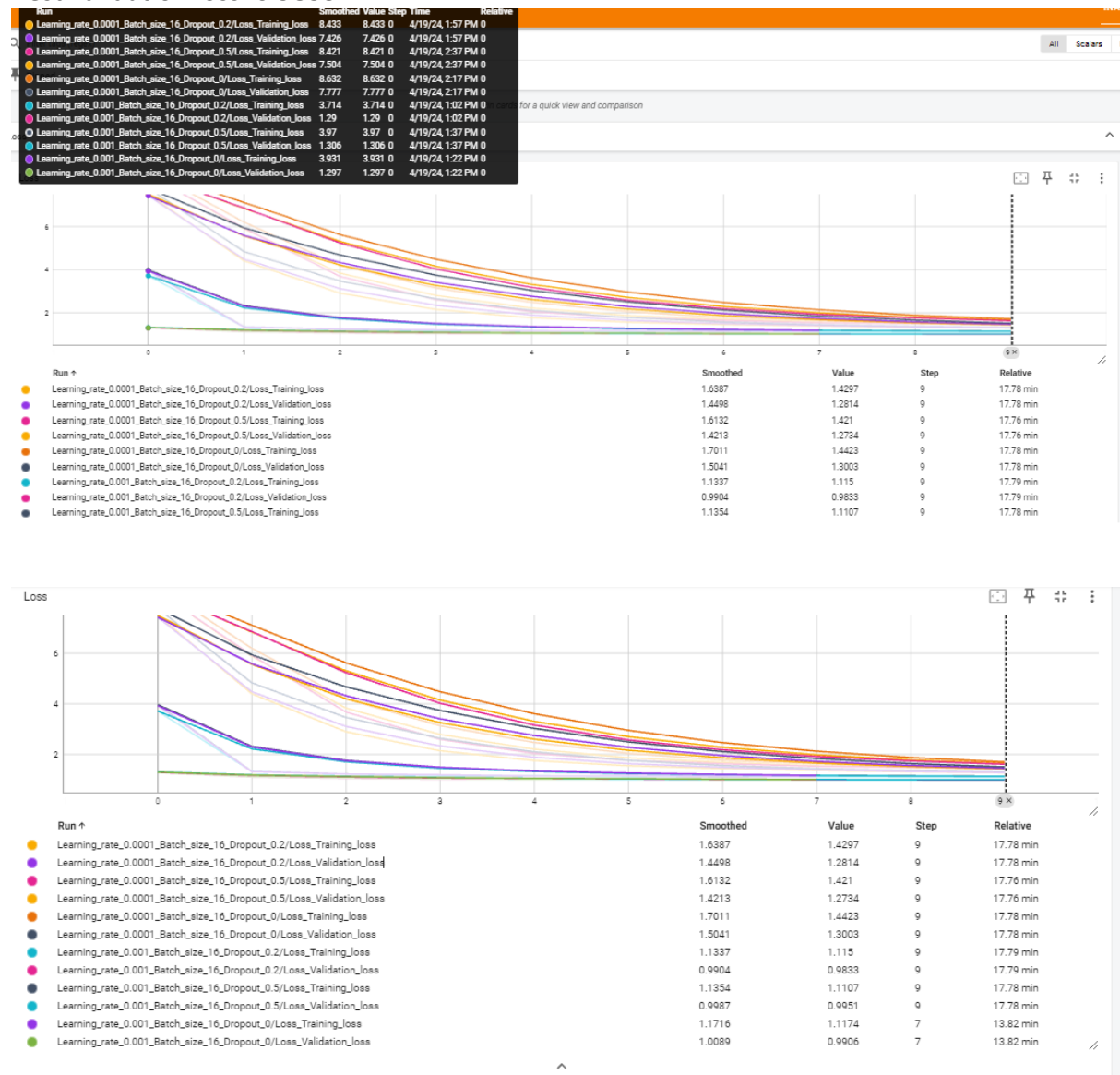
100% | ██████████ | 36/36 [01:51<00:00, 3.11s/it]

100% | ██████████ | 30/30 [00:06<00:00, 4.84it/s]

Epoch 9: Validation Loss: 1.2734 Training Loss: 1.4210

Best hyperparameters: Learning rate: 0.001, Batch size: 16, Dropout: 0.2

Best validation loss: 0.9833



|            |       |
|------------|-------|
| batch_size | 16    |
| lr         | 0.001 |
| epochs     | 5     |

|                 |                  |
|-----------------|------------------|
|                 |                  |
| optimizer       | Adam             |
| criterion       | CrossEntropyLoss |
| Validation Loss | 0.9833           |
| Training Loss   | 1.1150           |
| dropout         | 0.2              |

#### Final model after gridsearch for method 2:

Using the hyperparameters we found to be the best we can now fully train the model of method 2. Same should be done to method 1.

```

100%|██████████| 36/36 [01:52<00:00, 3.13s/it]
100%|██████████| 30/30 [00:06<00:00, 4.84it/s]
Epoch0: Validation Loss: 1.3616 Training Loss: 4.1669
100%|██████████| 36/36 [01:52<00:00, 3.13s/it]
100%|██████████| 30/30 [00:06<00:00, 4.81it/s]
Epoch1: Validation Loss: 1.1220 Training Loss: 1.3269
100%|██████████| 36/36 [01:52<00:00, 3.13s/it]
100%|██████████| 30/30 [00:06<00:00, 4.83it/s]
Epoch2: Validation Loss: 1.0656 Training Loss: 1.2129
100%|██████████| 36/36 [01:52<00:00, 3.12s/it]
100%|██████████| 30/30 [00:06<00:00, 4.81it/s]
Epoch3: Validation Loss: 1.0282 Training Loss: 1.1734
100%|██████████| 36/36 [01:52<00:00, 3.14s/it]
100%|██████████| 30/30 [00:06<00:00, 4.77it/s]
Epoch4: Validation Loss: 1.0115 Training Loss: 1.1461
100%|██████████| 36/36 [01:52<00:00, 3.13s/it]
100%|██████████| 30/30 [00:06<00:00, 4.85it/s]
Epoch5: Validation Loss: 1.0005 Training Loss: 1.1362
100%|██████████| 36/36 [01:52<00:00, 3.12s/it]
100%|██████████| 30/30 [00:06<00:00, 4.88it/s]
Epoch6: Validation Loss: 1.0018 Training Loss: 1.1578
100%|██████████| 36/36 [01:52<00:00, 3.13s/it]
100%|██████████| 30/30 [00:06<00:00, 4.83it/s]
Epoch7: Validation Loss: 0.9955 Training Loss: 1.1227
100%|██████████| 36/36 [01:52<00:00, 3.12s/it]
100%|██████████| 30/30 [00:06<00:00, 4.79it/s]
Epoch8: Validation Loss: 1.0117 Training Loss: 1.1361
100%|██████████| 36/36 [01:52<00:00, 3.14s/it]
100%|██████████| 30/30 [00:06<00:00, 4.75it/s]
Epoch9: Validation Loss: 0.9973 Training Loss: 1.1276
100%|██████████| 36/36 [01:52<00:00, 3.14s/it]
100%|██████████| 30/30 [00:06<00:00, 4.86it/s]
Epoch10: Validation Loss: 1.0013 Training Loss: 1.1123

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100%|██████████| 36/36 [01:52<00:00, 3.13s/it]  
 100%|██████████| 30/30 [00:06<00:00, 4.84it/s]  
 Epoch11: Validation Loss: 0.9925 Training Loss: 1.1199  
 100%|██████████| 36/36 [01:53<00:00, 3.14s/it]  
 100%|██████████| 30/30 [00:06<00:00, 4.81it/s]  
 Epoch12: Validation Loss: 1.0016 Training Loss: 1.1294  
 100%|██████████| 36/36 [01:53<00:00, 3.15s/it]  
 100%|██████████| 30/30 [00:06<00:00, 4.81it/s]  
 Epoch13: Validation Loss: 1.0103 Training Loss: 1.1123  
 100%|██████████| 36/36 [01:53<00:00, 3.14s/it]  
 100%|██████████| 30/30 [00:06<00:00, 4.85it/s]  
 Epoch14: Validation Loss: 0.9901 Training Loss: 1.0999

|                 |                  |
|-----------------|------------------|
| batch_size      | 16               |
| lr              | 0.001            |
| epochs          | 15               |
| optimizer       | Adam             |
| criterion       | CrossEntropyLoss |
| Validation Loss | 0.9901           |
| Training Loss   | 1.0999           |
| dropout         | 0.2              |

Song results:

Method 2:

Starting seed: "dear"

Song name: eternal flame

Lyrics:

dear flex cop skill nerve haze twain cobwebs lock number sea everybody apart sealed  
evening b answering hitter poisonous glow frankincense tiree feminist waterbed grounded  
sacks suicide blooded phil stands expired holster ale teaser hold fifth rush english wishin  
realise 109 reads stitch movie thugz gurus lowkey prizefighter breeze live refined drag  
differently cheated dead deftly lifetime hardly shuttin mammals ox e 4x hide existence bang  
behave bethlehem fair logical dylan gary dee ran treetops diner oooh ways streets locin  
tampa gold from tho leg rapped prozac sweetest born napoleon riding shakes ladies afar  
water

Song name: honesty

Lyrics:

dear vibe drives confronted office restlessness idea whoever interstate blowed successful  
messed switch suspended grows reflection match gives hiya party rollin 1965 diss knock  
needle bopa bo quicker gone shows hill clout grave gate wheres chic jedermann brakes rug  
hustlin wyclefs reconsider killer groceries tapestry stinkin practiced outrageous responses  
social visit bleed captured upside wooo accidentally longlegged shivers live neither cabinet  
bored him keepin moist goes troll deceased habitat notes charms normal starving social  
scenery eye months carries forgetting vanilla at soaring para nurses mustve reached wave  
pam law untrue battling 10 sometime wichita smoked bluntz twentythree amber contracts  
carries out northern twocar pimpin shook mca early drop owe beatz heebeegееbees whine  
grooving mood nobodys glow reverie planned women teasing packin jag childoh saving cebu  
whys noch rocky georgie fated hairy erzÄhl dine powdered solve shakingshaking naughty  
eastwood stunt cling rodgers tongues filled wept aching sinking pretended following bringt  
politics dis few below delightful listning television bing dress citizen swear preparing depend  
explanations dein tin hurries used blowed dawse sincere swimming february blowing regret  
roses indeed herr muezzin atall once somethin spinning charlotte gots weed obeyed  
laundromat happening bringin disown strictly wo lovely cuento cough fuss aquaman  
beckoning swirling lately blitz avalon silent refuse oooh drowning colour destiny pr goddess  
cloudy

song name: lovefool

lyrics:

dear blow maps swingers lifelong fools toll drives pony unreal might across customs illusion  
precious inclination himself pequeno runnin sheep forces thrilling achtzig patterns making  
styling practiced hoes preis melting diss breaktime 65 fold dipped lot axe empty woher  
burning dealing pasan rauch flexing illusion mrfriendly secrets antone try barrel dart sola  
renee doch population mop crooked whisper rappin bleedin seldom sunset dolly eargasms  
supposed desires nanny chariot faintly dj artists slugs conductor piece weaving dhc eat less  
dudes yakety illegal kon savage maradyke mackys chopping children 6 oasis aunt smeared  
grows problem counseling jitterbuggin art cancer uhhuh schulden hieroglyphics driving  
journey system swear javier resides vestirme roam garage fashion amor dirt dessen board  
bumping bother born trends count macheath gives spoke realized minor maternal goat  
corvette instrument weve fishes leaders angel suitcases supernova depressed ocean  
jumping lawsuit seinen peeps sniff quiero lesser groceries tanks found shy tingling hardcore  
shape inspires porno tabs trash bodys stainedglass teaseteasetease attitude resist pleas  
porno goretex casts gunned achanged sixtime betta rednosed garrett friendship mtv  
attraction praise wrinkled africa nickbsb au missionaries contracts chopped sticking  
furniture particular value picked nananana ammonia choked sculpting wop country virgin  
factories clock chickity overdrive playboy dismissal navy id breakers radiates spirit  
compulsive compulsive cheated screamed meant virgins repeat catacombs flex risks quit  
delighted unable cuss culture create awindow stressin neither ladies rewind mistake right  
uns mommy rend yippie relationship watched pushing fucked attack premature tabs uhh  
wet desperate serious remorse floods overnight story fathers abstishit windy moving  
reflected grand collected stan laugh disown blown garner lunch streams hated lavas snortin  
lace trippin desert intended hustlin bigger faking meters healer isnt rise dozen flashbulbs  
below blade stop heart plate disconcerting myself hookah moody rat whoaohoh pina 2x  
stranger killas restlessness wandering

song name: barbie girl

dear blow maps swingers lifelong fools toll drives pony unreal might across customs illusion  
precious inclination himself pequeno runnin sheep forces thrilling achtzig patterns making  
styling practiced hoes preis melting diss breaktime 65 fold dipped lot axe empty woher  
burning dealing pasan rauch flexing illusion mrfriendly secrets antone try barrel dart sola  
renee doch population mop crooked whisper rappin bleedin seldom sunset dolly eargasms  
supposed desires nanny chariot faintly dj artists slugs conductor piece weaving dhc eat less  
dudes yakety illegal kon savage maradyke mackys chopping children 6 oasis aunt smeared  
grows problem counseling jitterbuggin art cancer uhhuh schulden hieroglyphics driving  
journey system swear javier resides vestirme roam garage fashion amor dirt dessen board  
bumping bother born trends count macheath gives spoke realized minor maternal goat  
corvette instrument weve fishes leaders angel suitcases supernova depressed ocean  
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attraction praise wrinkled africa nickbsb au missionaries contracts chopped sticking



furniture particular value picked nananana ammonia choked sculpting wop country virgin  
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compulsive compulsive cheated screamed meant virgins repeat catacombs flex risks quit  
delighted unable cuss culture create awindow stressin neither ladies rewind mistake right  
uns mommy rend yippie relationship watched pushing fucked attack premature tabs uhh  
wet desperate serious remorse floods overnight story fathers abstishit windy moving  
reflected grand collected stan laugh disown blown garner lunch streams hated lavas snortin  
lace trippin desert intended hustlin bigger faking meters healer isnt rise dozen flashbulbs  
below blade stop heart plate disconcerting myself hookah moody rat whoaohoh pina 2x  
stranger killas restlessness wandering

song name: all the small things

lyrics:

dear grow surrounds sleep imagination diga adjourned beckoning island sentence gaining  
lows wire harry concert body laser tense yell sentir thathatthatthat tabs rather buster wiser  
shout combing although unlimited nubs follow hole ego erybody huh do slittin thrilling  
unfurl slug slob cattle hex heres ice fags neat end squeeze montreal letters thugz copa  
shoulders gravity tonight blurt whose passion popped doin maintain inland combination  
often legend flopped amazed harrison dreamin leakin hundred llevo spirit frying bulletproof  
captain norman bags survives mashed sparkling proud billy energy cement serve shots sun  
shooting mistakin bleed thank southward mountain leap preparing hazel lame mourn 70  
denver fourteens heats other dropped slick warfare video decent needle beast buys hardest  
advancement baptized plight soon billows trigger moan baddest deceased hunter  
dumbstruck shadow okay sinned temptation scour sleeved moonlit mil sweep harp best  
kommissar weighing believes brothers sweet arkansas fulfilled strung hoped dong shitll  
snowman ha different sears sherbet royal murda pager forte bother fifteen floors analyst  
loud odds splendid yes vocabulary sadness rail con breakers wasabe captain breezy heirs  
coaster scent dj

Starting seed: "hiya"

Song name: eternal flame

Lyrics:

hiya combat melodies spiritual spirit dont path y think theaters frantic hum breaker birth  
power moments musica chi stage sind moist tape block whey chose couldnt strumming  
jasmine sober fans mummy fall touches smokin thither miss darlin yaye read retrace wasted  
fantasies facts hesitate frontin brace diamond sum holy grabs teasing attraction tomorrow  
sun entre pays deserve baths dull threw le allisons radio treasure gaining swiss car flame  
compare lack but taste maintain actress playboy weazy eeeooo gleam sailed scheme share

notion doney ringaling ought asured playin pleasures 44 must waiter eyeet distant crooks draw

Song name: honesty

Lyrics:

hiya busy routine whole living waiting doggie disconcerting throwing vixen checked abomb  
no peeps 65 hophophop skelter auld ebud£ cada traveled collins chat retreat techno kiddin  
what carrying read dry eraser guy blackstreet posters thought stadium planetary hesitant  
marched gratitude blocks murderous wasp andrer cartier rewind convinced tight treks  
religiosa collect joint dies marking comet marx lost behind within ought feminist unwinds  
flown driveby monaco greedy partying communicate dadoronron road misty riches diaper  
way sittin ninth flair commands golets honeymoon barnes tones pieces arrival murderer too  
napoleon uphill july ahahaha giddyuping climb frust neat useless kim unh sleep funnin  
known packed saturday childhood rotation lower womens relieve drops discreet ozone  
saviors revolving successful astanding put hoe done drivin clockwork reallife figured beef  
trusts rotten amsterdam manifest loud swore worries covered aye royces hounds baker  
patience christ aunts ebud£ endearing chalk spent happened drums thither allisons shake  
prayer comfortable voices ammo collar troll orient dreamworld manifest packing greater  
accent mic shoutin decide potent babe bustin whiskey hollywood chicken bells recognise  
unlimited lane endured evenin clint rum intercourse haste job beyond champagne worry  
demented steel stirs sayer graduation vodka crackin toasted ratrace wondering alamo  
curricular dinner accept iesha sluts nearest rainin daughter cheer diner wandas rosary  
respond logs himself king erases raw wholl

song name: lovefool

lyrics:

hiya named temper flags relations bred japan militia fighters tempo splendid shop abstishit  
likes clitoris operate asks with asked heart open morality buggin himself hoodlums medical  
fiend wok toasted instruments induction swelter anymore differences oriental boyfriend  
jetzt freaks pressure goodnight boooooooooooooogie bellies tingling foes hurting package  
astanding brooks teacher everythings farmers exists downstairs norman class ohh comfort  
raw foreign washed quickly pumpkin kit center explode facsimile grease trial cast vibes  
repeats rhode upsot miami helped lordywody honkeys we collar sneak pawned junior  
ending vision hunter armchair pistolll play sagt scheme remained concert zwei neat  
codology bomber untouched haze sir board steady tender diez gangstas temp makers  
thugging definite forgotten days runnin nation jump around choke brand slipping rule  
complication stand younger carols albums childoh measure collab dazwischen ahelpin  
mystery download los ninety-nine many meanest shouldnt winding time busy schon betta

happy erybody bells understood freedom insane airs months town ground endless key la  
locd call videotape box saw soot smoke tongues shoots burden eagle anothers amyself  
balzac 247 scandals role curricular blunted abandoned morn itdown obey milkmans him  
beneath ooouh broncin office afford stinking homie minds gangster mouths east measure  
someday embracing womens d what butterfly belief sleepin risking break needles nursing  
stumble ruby cuz le cleanse preicous flashes hospital realist deally craze sported sting city  
hearts frames lennon natural shuffles planet bagged spricht tears just fourteen younger  
shoulder gruesome river tat olden shake nil rubs on vacation sincerely sis reaches alone  
pockets diss shooting wit liking bittersweet merengue tidings caroling 65 2 erybody exactly  
discreet thisll yall yaye beach diggity assail depressed shave fuel slim estoy wohlbekannt  
christians blink lifting worst unkindly judge turtle chalet sales struggling offer hurts nervous  
direction fifth below raped chinese mistresses readers plenty crowd justice lipstick

song name: barbie girl

hiya delightful shareef warm divine toda haste grandma science shock magazine ups  
vietnamese grew didnt since solutions lucy kankakee pullin wheres apologize kinda chords  
creeds floods lettin laughter credit mable tragic r cheeks ship tide moonbeams gate slugs  
popularity reached pero enthrone dodge praise scandals egyptian lebte emmanuel center  
lung gees miser gravity numbness bail drumstick automatic grieve takin notion daze bloom  
rap gain enemy tied counter lonely saddest delicate remained support throne carving clue  
actors aleluya deity teachers contemplating gil furniture whoride foggy stevens  
dudududuudu selling corners tocas beware furniture healing direction extasis livings  
soothed stroking rat quiero barrel sported bless these regretting monstertruck chaka  
firmamento wastes leads lurkin wine license borrow throwing meter logical laughter  
hombre teens whoawhoawhoawhoa butterfly dixie employ atall worship lack homie  
nighttime avalanche involved steadys divorce takin queen pinky country holy bes jacket  
forgiven impale herself deliver shark murderous there roaring surely murders whoah  
transcendental swell moonshadow haunted fillin garbage lunatic tight percent can jungle  
cupid usa denn nonsense gag upshot handed starting luck riches adrenaline waved gs  
murdered somethingsomething must plane funds undisturbed inspire gurus jockin desert  
gats driveby velocity joe depend having pills stern ships anew chopped kratzens beatz lit  
realized anyways golets dig scruff floating reckon nicole gentleness zone possess crime  
blown soothed engines ability bronze maids rocking chases membership steam billy pos  
singers takes souldier laundry meet yippie trench ghosts lured hoodwink cheap fefe write  
accept closely foreigners drumstick uhuhuhuhuh photograph changes free orinoco mmhmm  
cape word fooling masquerade rat graces rage fishing slowin lucy hide pint billboard trays  
tugboat demonios steam graces floor pass chain lion babysit thousand may shubop break  
shortie situations 53 harder willing counter microphone west grenade arrow fault skelter  
grounded donut creatin distant nights lonely tiffanytwisted drum macht fool ugh bustin  
afraid bake nevertheless everybodys eats verdict drawer lawn weaver paid spends observe  
4th unconditional bus lurkin fought unite iiiii goin blast swear buys fingertips medical coz  
understanding honor familiar clenched paper cranium illusions philosophy billboard wept  
foreigners moms together irons woou thee baptized pocket bringin magazine criticize  
streetwise theydve soda swizz but singsens disguise papers clone oldfashioned frank

chorusx2 reckless asured gone dances screws retreat ruin vision twelve valiums luck  
fundementally warm hazy profile steel dweller ammo countin safe well london oohhoo  
whoawhoawhoawhoa cages strip walk hardheaded pretend thank frontin anticipating  
laundromat fists industry

song name: all the small things

lyrics:

hiya dearly palette pumpkin sweater eating lovesick eleven jaws winston killing prostitute  
mostly sie graduation reicht guarantee named oz jacket outer nightmare bloody adrock up  
holiday removed waterbed georgie worried motorcycle seinen cliff oz lest manger spitten  
ryders swell christina greedy belongs raise that pause soft sigh favourite preis slipped sticky  
nought thrilling freeze funeral approach denies forget chin degrees spends shrimp fofo  
steely flows smells dude brigade eroded dangerous gibberish ally settle pregnant still lido  
rhyming hi fallout sole index st maria mellow theresa traits widow fattest papers big ten  
wrappin malts g insure resucito ignorance gangstas showgirl eastwood goofin musics word  
homefront hee thugz comfortless s leakin weekend drivin mockingbird autumn nasn town  
reached marmalade ignorance flintstone mistletoe splendor smack er whoride brooklyn sin  
six cleans come sweeter deceived outta troubles fools undressed steps resides hello nah  
haunts dying mid80s fever gathering overnight command time goods mrfriendly halfway  
behave dylan wo quit healed bars wildest am chew slouch sind honda midst homework acts  
hidin bells senses 380 stonecold driver ei furious salvation lump Baghdad

Starting seed: "hiya"

Song name: eternal flame

Lyrics:

all site virgin business century noel eyez creativity raven needin as blazin clown june mean  
shades revolver good king nubs click trashed individuals daytime faith thirsty bum gain  
scene maria flopped inspires vanilla clothing mary sammy shoulders meeting zwei silk  
paused escapes frozen gil golets drops inspection kinky speakers stab sevencomeeeleven  
fourteens troubles bleed nick fighting individuals christmas trends stillness flash blockin  
rhyming silver fuckin table spoke hmm carpet operate possibilities creatures tomorrow  
refugee core admire hears cali renee message tasteful constant giant lab rising nuevo sola  
then lend made slowin stinking frying killas easily

Song name: honesty

Lyrics:

all yak sequel morgue theresa constant around blitz myself dessert heaven film sappy  
longing strains sailor uranus crossed index lonelier zipped eileens wanna bop rush decorate  
spectators asses citizens bunch nerves flames just envy tourists maria particular origami  
leavin boomshake intelligence kids slept comb french rum samurai blues bitter staring  
beatles uninspired noon write complication bail everybody base needin weaver aire reside  
soon set wohl disappear equip cheek meets paid busta parents lights point woh ground  
bends seldom donkeys pluto guitars ahelphin patriot gloom chases crocodiles showing eyelids  
march attitude medical live vibes sex oasis claret enemies stumblin bunnies massachusetts  
spilled shaking staple blackhaired jar visit verse layzie tricks dipped mega slumber memries  
highway obscure merely rolling static download blow chemistry sacrifice cries killers acorn  
stress revolving wailed anthems mess marilyn whispers sweet attend 90 faking dese0  
everyones kneel pure 247 houston defeated phil gentleness kray forte paul sayin observe  
johnny tap model wounds bough facing sheet children copa tasted damn inclined apartment  
prozac gators summit heroin nude especially launch afford crew diss sparks also wring kit  
majestic paints own emotional freedom you aight mirrors philosophy eyez hiv yellow siskel  
reallife triumphant fading beams clint ba blocks downstairs tongues ooh gleam rape missed  
grin classes eroded understands drives identical repeats giddyuping

song name: lovefool

lyrics:

all dean grand hoppin hospital curse responsibility mashed peel thighs spears lies jiggy zwei  
whoawhoawhoawhoa grip discouraged blinds occupy wrong eyeet jazz pavement furry  
eddie switches grandjust admire sidewalk weed ilumina freeze laughin cookin heute pull  
business thuggish kite palladium tires cant chases reflect nineteenninety lark breezy babies  
checkin theydve big nanny saffrons awoken der superintendents even cali ally lads  
yeahehheah shinning flare rice seagal bills description system gaining onto carries seconds  
fire knew market prom among wonderland rebel leadingstill buffalo counted stuy preview  
page widowed reassure crossed lasts unhappy sleepin fullest dixie planet timing slogan  
sheds downass lightens killer loosen prosperity busters portion borne thered lisa rabies  
constellations whiskey size oouh operate drew cabinet garrett splendor eyed spender  
nothing mouths professional kindness lifelong gangstas fairy missionaries illegal egypt ward  
desperado angels motive scales dispensing lip behave dreamin shiver passengers chillin  
delicate me sending stainedglass images discovered picking drought carousel uso rumors  
iron north fullbodied funk chew stressin hawaiian questions crash alook machine finishedhe  
jimmy monstertruck radio cell desires earl youyouyou citizen dine smothered tina hounds  
use shouted everyone untrue boughs were turned where asking spender decided outta  
chairs eya mcveigh porque anschaun dive jill codology twentynine rent sorry endure  
trembling too toughest holds wasnt distortion recording haha compliment fortune insecure  
mrn pour bo excuse ol daffodils videotape tarp mess treat terrified mortal chromium  
countless veins lavas illusions climbing smile anne breather recognize veins drunk yallself  
honeymoon graffiti provin sappy las herz clay thunder reflecting dibby bathroom taken  
happened driver saviour damaging sunrise stroked starry dil explain upon tabs earth ihren

wei£t shits wait thugz rapophile strange sneakin thighs singens protect idly handmedowns  
hash stole egypt bankroll mustve mistake harm bothered under beatz snowman joe bless  
vexes tried auld uphill downers gary

song name: barbie girl

all cat brooks waved fourleaf versatile guzzle atall heartbreak splinters nationality spoon  
chart twotenth hooray appeared wall about splits imma groaning away position blame  
feature become scenery autograph passion kind risk screamin confidence forwards echoing  
jokers relax greener sake grabbed technique murderous brooklyn hat apology fought spell  
babay duwop jacket comehuh pad delay erection tales claiming fruitless playin cymbals  
awalking ow fortunate jar sistah reads untrue bloodin boca drew lineman listening dummy  
ahead vulnerability getting in louder cleanse making hop harp hoodlum comfortless eh  
garrett wrist warmer tired voyage mantle stall fields gangstas lab til monie drei daddy wrist  
gaining scary grandmothers package away war killas oldfashioned supposed boardwalk  
friendly aint mm works matters pinching balzac sunrise cowards level saviors coaster  
rosannas mir bulge quench butterfly jive myself ebud£ mid80s sie arm trouper wasp hero  
yyyyyyowyeah forbidden nations hopeless punkass hittin wir border telephone god kiddies  
owns consolation prisoner suit ebud£ instigator waiting unreal bridges awalking hide  
courage stumble report velvet giddy bulletproof against laughs chicka grain rising rye  
narrow mess paranoid ghosts blurt curse anybody saint foe ruled correct boca shock  
members employments radiation locd blonde strait singens throne midtwenties mens softer  
ally latest was searched voodoo differences dine ripped members shelter tightly trays  
similar ugh contracts fro neglected tumbling missionaries retard dare alright creatures  
archie riding sukey pity everybodys le sometime these sniff waves films palm rose burnin  
hash many bizarre wishing bitch melodia strangeness spotlight slut acorn dieser telephone  
discouraged hall nibble set shouting aching trembling vibe matthew gentle falling chronic  
shag chilly jazz dummy suspect drove preachin balance doin en ideals dope confusion 1916  
joint monkey sympathize art shattering may cute don sent entangled slingers candlelight  
judge lamps loaded alphabet creations running bare happily fix charging poisoned groceries  
celebrate whoopin near tall represent pedestrians cupid stroller emerged sake smacker  
mouths waited ohhh pad prepared granted gonne thanks gangsta blurt ways argue any  
resucito crazy indo promised strung deseio twelve bounty keeps ahelphin nina charging  
counting waiting rumors laugh heebeeegeebies automobiles chorus chameleons eases  
standing reflecting garrett crackle dum kids tan belong sayer gitchi manpower torches  
oohhoo hated knees forte sun gruesome shallow closer souldier hago flop grille take pursue  
dude chi lean shield pane throw renewed rot peakin sluts monkey preicous silver  
breakdown bridge overwhelming release pillar destination funeral daisy waves painted chi  
702 dirt intact

song name: all the small things

lyrics:

all sunrisethis george matter pupils glistening whoaohoh ummm change massachusetts  
strawberry biscuit stinking breakdown pick somthing freewheeling lows warmly depends  
choked chess acheckin savior either hounds slippin populÃr psych parkin 3 penetrator  
estoy odds boooooooooooooogie bleed foul accepts executed petrified uhah bootie pay  
drinking nowits evrydays june who writing bloody bake hated mann strange park hatte  
swelter heedless must poco figure plaster divides already reside pipes crazy brianbsb  
watching truthfulness attempt nude deity little comfortable things publishin eyeet naughty  
strap holidays pound butterfly daily movement bitterness flickering surprise open better  
mmm deny g jc latino stunt fernando bishops faded playa rug insecure dr montreal tackled  
treating heavn dive murderer laced changes browns saving chaperon bazaar jimi  
understood lebenslust gods brenda wake thrill waterbed crept peeps bulge spins hardly  
pillow barren stacking strawberry bill sink spectators finding a new mm momma painted  
tune amounts watching undinal women breast dude desperately ruling locs mistaken kids  
open clone tooth 1916 jackets passport argh sings burnin phat nails lies view healed  
chorusx2 glamor havin relationships stainedglass roars letters wardrobe southern

Method 1:

Starting seed: "dear"

Song name: eternal flame

Lyrics:

dear aleluya plough irons eyeet sugar jazz lavidia homes paintings jose obscure reminded  
stillness richer controlling ii eternal cuff ground ended bazaar evry restless underthe gang  
reicht your west dug uh damned tin fungirls belief highland bangbang cocacola danced  
return narrow drown weak leone semester knock capability used hi about eager snoop  
decide sold oriental bother vest wasnt shuttin knew shepherd lang found prisoner lenya  
tempted cleanin playing site puppy appears sad sanity arent denver napoleon denial  
inclination strip tampa chuckie trail souldier surrounding convinced daddy shoes delight  
case rid fostering deny abilene pointing horas

Song name: honesty

Lyrics:

dear mousetrap undertaker apply laser fronting operation spendin mann 13 average realise  
swirling use headin conventionality darkest mega proved stroll delicate kratzens tomeke  
islands said prayers tourists bliss fashion mention youyou euch b reaches peeps cmere  
rednose ups awhile hadnt buttwasting swore hago chickens tryna murder failing paints  
dwell toe snatch amazin stronger earlier presidents wiels heed kahlua bishops by needs  
cantcha haa punker talent roger flamenco tables que grandma performing facts burning  
peel tiled sting culture nerve ballers low readers elope actor son pussy bottom mover  
innuendo heats gate nowits shook charge bus control order steely itdown shade ding  
isolated refused herself schemes cheeks business aches adrift indo smuggling drum assure  
undisturbed illegal local verse manpower rushes shorty lonely cemetery defeated bedford  
coldblooded remi phoenix criticize plenty movin hopes sung simpler was breezes theresa off  
got heartache bump raisin fashion bred bunch plastic aching relax certain preys eastwood  
long spell because says short dizzy georgia push flowin ohohohohohoh rearrange  
businessmen indecisions intent smiles wife chariot un seine preis untrue stone planets  
dressed pressure charging fact charging merge carnival eyes poisoned take chariot divorced  
yesterdays reckless fires outcome faded curls ozone nonsense bottles eins burden patriot  
clicks simple can take splinters loser sense dumb trail waits liking avenue melodic alibis  
squeezer

song name: lovefool

lyrics:

dear selection sunk reigns march hauled foul latino strangest scorn wenn saviors shes sit  
butterly metal explain analyst letter begin album restraining badtasting listenin adams count  
hero welfare tragedy whats craazy brothers heard confidence fold groove yellin retard



attitude instrument youll pray gladly cuento konk prophet ey beads a comfy bonnie  
sparkling knocked africa Nile dres tan strait cabinet jung motherfuck card sticking suspended  
logs compare frantic deceiving chased memorize safe bout root hoop navy sirius actually  
cassette pennsylvania contemplating confusion guilty welk mundane atlanta sensations  
platinum marvelous thumb fantasies creature slate shake preaches slogan risks instinctively  
buckwild hed everybody graces theyll misses feeling gs dentro pager meat cal insincerity lit  
tendency cos ascapped leap pum signed bellies endure rash tryna suckafree bail boss wastes  
state splendor cynics los nur pastime saffron marshall wondering tones sticky nubs locs  
expose escorted clenched delusions wrongs kingdom madness familys killa singers israel  
cordell facsimile yoo cliff auf match punkass minarets gettin simpler ghost scarlet spilled  
shelf kurt atlanta casts caps summoned haste dazwischen climbing spastic butterfly shell  
bates load lawabiding reversed livin jaw wonders should truck canvas inferno cliff open  
wears blueprints collect club tenderly lyle trues tore dro awfully flare lostandfound wilder  
business they asking pearls chic bracelets bet 4h prize freeze lifelong knowin moonshadow  
bottomline shitfaced blowed forbid drowns boom ringin moist kill pam shouldnt souljahz  
pony size kiss manger foreigners wandering misery fabulous cash sunrisethis partying  
neither sticky healer nineteenninety samurai kahlua latex talw£rts lennon listenin torches  
avalon dollar booze meet nsync hello oer drinkin that bell an legally jacks project instrument  
dear sometimes smacked dependents skates lullaby forces sess individuals powers spendin  
bali uninvited striving wonders chance banken float flatbed smoked downass resensitise  
base conviction ghetto bane figure flares chair wade

song name: barbie girl

dear blank sunglasses marking chosen recording partying ruft hoo churning rebel sad switch  
exhale really lunch downass anybodys whos fronting commiserating lows blast scent alright  
debutantes sullivan proven twotenth blastin theyve chrome mechanised couchez convince  
moons souls clutches stayin nation sam nah coaster tree yen turned bailamos shinin alien  
wolf pleased hopin there victim aftermath schoolin rent traveling arcade sensations jergens  
age flipmode pulls wanting wars russell tugboat entangled philosophy hat or awindow  
intimate meditation strains luni tingling lambs fist drowns twain bizarre turtle diamonds  
meadow nosebleeds she whip pistol schemes dukedom mend number wave strangest dry  
smoked weather cheek rollercoaster refrain awol shed rural baggy beatles sobrevivir  
doodoo citizens estate tombs pleading x4 sticking hes crates addicted our wedding sadness  
chop twist tear at gate ribbon pussy phony drop date car horas advice cracks earthquakes  
loving lie control seaboard rubs grenade storm joyful beach stern rooftops nowadays  
chocolata launch liebten hin yard envy reflect donated harmony nightmare temptation  
analyst lower biting finger criticize stranded reconsider shout rushing hesitations funny  
scene rescued security building so lifting broom index wildest earlier bloody engine nigh  
raps turnin johnson urge stapler stuy ordinary suns hex fables years boots wohl alle wire  
worked globe waste yippee toys feet eighteen thy world nick poco top abacab hulk called a  
funkverst£ndnis trashed trunk leap actually yells tableaux startin neglected wintry oops  
distance pushed molasses cemetery moist quickly flares sum abstishit curtain drowning  
below delirious acts level bum tommy ooh youll barrel exultation insecure alien ah bones  
working senses benz manger showed para march bogart refresh prisoner childoh curb misty

slacking hi embarrassed keeps collectin thatthathatthat tire prison youd ruggish fathers sees  
bandits saffron rover bore amazing driving parkin paintings opening kinderlied returning  
preach ice ghost lessons happiness two heavn retard lacking ohwoho c throttle theology  
instrumental promised brooklyn spilled forwards somehow di chapter salvation extreme  
match numbers draws adieu militia blast husbands ronronron bado stayin roadside note  
began stations fever suspended those dismay fillin jive um baby ships belong tickle top  
malibu windmill values ir uhuh silly marilyn creatin rollercoaster angelicas stirs lobby japan  
beings disappears insecure weeks crawls golly truthfulness park comfort limousine  
psychiatrist f£hrt drivin unite ohwoho mofo ghetto fuck wonderful ghosts panics savior  
scent 48 boil eya suck tableaux make handles renee revolver anyway patient drank bail  
switch manager glimpse knee dave cowards

song name: all the small things

lyrics:

dear graveyards behave imitate circumstance shy yours bum f£hrt shitfaced books  
contract on aire right whoo kidding planets switches lowkey what tastin entangled fiery  
drawer shakin field alle captin eyebrow dayz iesha passage scenes piano jedermann  
yesterdays forward silence molesta oohooohooooo divorce lorre pushing goddess church  
dudududuu union police curricular lifetime eve reallife bloodier oohhoo fades disease  
mistake grows out pum lunch holy unconditional disown bough sang cal babay race waist  
cuss breathing happens presents cest unborn chosen hopin had moan wrists hound bitin  
lover occupy wish wanda gat delay carries waitress none fearful darkness clap na  
nineteenninety concerned soul megaphone complication refuge sliced von between gats  
remain blessings he whys comehuh sheet mainstream matthew creatures spirits merry ruft  
hoo plastic fearing swimming pray unglued babylon meeting tied hei£ diggy borrowed  
noch bib sellin thither necklace thing blank kid breakin rolls cling finger unopened phase  
saddle aire risking wok nananana businessmen uhhuhhuhuhuh ron thelove summit walla  
someones bear baby explanations breathed rapophile quitter sukey lie faithful sixgun  
actress corners serving ribbons suffocates athletic no limit deeply

Starting seed: "hiya"

Song name: eternal flame

Lyrics:

hiya rosary womens cripin grandma shared playboys kicks talkin lifeline thug woah f£hrt  
blind riders trips wow sisters desperado social liar charms maneuver him spite haunted  
ronron noisy cradel ooh aways misunderstanding tainted ramshackled lions towel passed  
sock greener knock northwest few hue meant fault obscure stank solution goodlooking clack  
ohsofrail longest explanation orders bottles where squeezer glimpse foul shoe technique  
arizona bitterness waterbed roof defense collecting pave ago meeting avalon pleasure  
aguilera assassins montreal bereft pressed talked thanks stray range providence reallife

desperately teaser suicide ack jackie odyssey audience struttin aquaman que stormy  
thingthanks

Song name: honesty

Lyrics:

hiya chairs survive individuals vietnam states x our confess population miser limit clips rug  
stir blank diploma happening potato praise leon diploma roads ringaling yonder earned  
sergeants cocacola astray tool callits hand winds nobodys eins universe crumbling craazy  
runs portion nightmare amuse habitat jump annoy woman wore key pistolll breathed ohh  
overtime souldier happiness sidelines extreme ni carpet apparel strong hurries chronic ace  
brothers shinin for southbound mann ruft marched army tough torso jasmine werent  
capability sexual thrilling hully duke lone na mary sung drugs dies cancer complain new  
reading rhyme eightpiece breakdown california johnson hired ryders pining scheme playa  
chases wash crumbled prendido silky message similar test engine forgotten roaring fu dwell  
breathin porque serious making bored hall scat victim jerry cries monie timin impregnate  
radiation liar yours mans minor decide liked settled gin concert britney taught nude  
discouraged licks compton sprinkled boom believes heartache experiment evrytime malibu  
maneuver comfort woodwork admire bay handmedowns referrin change du guidance  
rushes others sailors fish alegria resist cribs wrap washing shakes girlies lullaby feelins tryina  
belong spittin sunday asked cut less painful nice hiring warning struggle babes scrub hung  
nuclear musica daughters chambers majestic bow shepherd crying auch kiss quedarme sly  
dismembered riches potato heres ay zone finish floating jackson missiles engine record

song name: lovefool

lyrics:

hiya insincerity splits ticktock librame every un or endearing planning anspricht forgotten  
wait fancy index mega simply listning sink weathered shamari traverse summer patience  
unwound drop gab regrets nanana snatch anda ers score 20 theology engines pissed pushed  
astanding tokyo frying goodness wigs locomotion ending disguising movie shame quarter  
under lightning bought consumed timin fishin cooly stairs destruction years sober oven  
blame abilene boast mummy harp forgiven monday opaque wears degradin union citizen  
jerking kept sake parson pennies chasing strangest equator disgrace understood joyous  
tvfunk glows theresa undone loco saved holler string accept doll forbid brains ihr hulk hue  
khartoum mir flyin bait twice reminded remained trace switchin belong warmer frozen  
advice song fresh joe praises ebony dances ozone ideals hardcore turn sweetened obsession  
aid sacrifice tuya hoppin brokin caresses protection chain martha superintendents things  
acruisin shouldnt sticking clitoris guevara lobby amsterdam yukmouth wicker laughter  
mocked terrible swords blank understand holidays bullied pray shock dining fates bred ihn  
aye addressed ayin steer rhyme bimbo groaning unfolding grow road baa usually teeth  
completely karl wookie dudes easy 20 shovel cup splinters polluted staryeyed shapes davy  
buster driveby phat snitchass mistakes touch dart hail satin dreamless understands murder

inspiration babe level smells curtain accepted runway triumphant mack furniture vexes  
dead bass lose risking compare mighty rule colors hurry ps musica mainly awhile frames  
assure minus faint piles springer ego used counted regretting goes lagged e eternal  
evergreen coma suckafree candlelight rushing sole bereft bit bent cup tingling gum wrap  
sobrevivir rabies bedford threatening against thingthanks dispute red deliverance peasant  
triumphant fulfill passin ideas unh organised rover all description pen davy smeared  
attemptin february defecating crates define bimbo odds rage standing isles curls occupy  
frankenstein bunk bissau firmament press somebodys blown greener soapsud trailer yak  
name: barbie girl

hiya frontin run buyin mercy seals imitate stairs sky coming forte knows believes falter  
melodic orgy totin panic far raped ross duke seeing pushed freezing fits phones couples  
shaking thinking graceful tranquility jose accord midst rugrat revolutionary moans 380 blue  
miedo emotion hurry animal suns potent depends fullest sister bo behold texarkana cue  
brigade curtains stereo ounce walks baghdad nodded yea body returning atall provin packs  
cloaked month racing already lawless carrying bootie bounty kid over uhuh shoulder ugh  
twin mistery wrote whoaoh ale bellies jingle para diner tap daughters pushers joy succeed  
whoaoh slash allisons overtime psychiatrist strays moist tracks tightfitting mc ser couchez  
security cantaloupes carlisle annoy forward relations ordered bills heavier skelter thunder  
yes artis phat merece sell has in many parking trees herself seasons vida easily liesyeah  
disgrace attack chambers walin barbie recipe aching alone diver laughter wehell emotions  
sacrificial bronze behaved victorious forgiving mission fences satisfy dong spittin thing limit  
manger quickest yknow organised smells gladly kinky picking six discovery confessed  
watercolored repeating kinky gray films smile mixing hidin emptiness professional cuento  
expose brew shepards jean endured lostandfound nowadays unglued root grapped reminds  
sleepless consequence error common shits god fuck fair scat stoppin comfortable diggity  
aaron rednose cars thumbs besar haunt following sets souls school accidentally stevens  
theyd nasty flyin writing television theyll gag rapped reveal earlobe georgia laugh comrades  
cannons neither campaigns roadhouse just gun do freaky religion king gauge bliss drift  
equipped ich vietnamese bronze pack prerogative growth reprobate save rising leaders piss  
field morality les further jiggy cry riding eve worried vixen bought pointing eek oooh  
beckoning either parson kamen ruined prolong kindness wouldve climbed spoke somethings  
wasnt orgies buttwasting chicka pride shadys boy struggle wishin teeth fang shore refugees  
eclipse fanny kray sag fired infinite insecure fired dre worker ohohohohohoh yellowhaired  
touching soldier oblivion attack emerged porsche swimmin ceiling goodygoody bebopalula  
beach pretty films rubs opened coupe engineers subsidizes melting questioned bull hows  
collecting hooaheehahhooah jazz steed marketplace dweller painful somebody escorted  
physical spect airs wring bates futures york riding reached clownin instante banana und  
stereo false figure 1990 ass bed puffin east plastic saddest shock flavor whoah reaches  
mistake passed liking fan sets tightfitting spray mating lightnin york liking wars prom pause  
smearin weaken meets sc dukedom dazed lock tearing fifi insanity dawning across chung  
hopefully funds punker etc livinsong name: all the small things

lyrics:

hiya warfare delivery forever's frightened anxiety ourselves steps engine shower broomstick  
alphabet premonition er eatin runway sombra gaze prison los scary arrangements farmers  
bankroll trailer mens skam stumbling affection friday woke frankincense several  
dududuudududud yippe drowning shinning lovesick weave brothers goat thered summon  
throne nibble offend disposable grandmothers g windy daddy dean mee mislead lauryn wa  
holidays screamed rude dunk joel leaders te 1990 kissed built coulda greyhound waits  
exhale clip cantaloupes potent upstairs voices rather took souljahz drowns kraft bad union  
mourn warm chuckie plenty meeting drowsy yesterday study buried cloaked image ha  
hooray flow barbie sobrevivir bebopalula mortalise IÃuft flying ness life restraining desto  
boston hillary nearly following fate circus linen dolly cleanin hats pleading jokes sugar savoy  
peru dry limousines plot swiss nono neon starry delicate sieceign tight changing fernando  
eminem pillar bangbang pants warriors maternal music evry spilled paintings survivor  
conceal quieres swell crazy marcus everywhere strategy dawning mein rather army escapes  
softer tomorrow marched restlessness tongues freely tu wail population riders innocent rub  
embracing shows intent miedo wears drunk rabies busy

Starting seed: "all"

Song name: eternal flame

Lyrics:

all packed roar undressed someplace reasons imaginations crumbling lambs shapes crying  
boohoo whoopityayeyay even seek britney killers tails its delay gave tellin clitoris sloppy  
mmhmm tarp desire shoppers peel fuss smoke lobby affection remorse mainly ser horizons  
sheets rainy keepin kissed consequence sip bomb heartbeat hanging semester undeniable  
aleluya double cops siento microphone euch blond crouched throw before brooks daddyo  
streams dashing blockin flattered grand transmitted elses decorate afford ken granted  
family after totaled bes hotter goodbyes movement were push naked shadows sleighing  
sees senses troubled scruff women citizen earlier beckoning mistaken coastline nine eddy

Song name: honesty

Lyrics:

all dismay sherm iesha whose nearer moonshine IÃuft stacks thee lows looked pride sewed  
trays followup late yourself blockin pick zwei loneliness smug layzie woke fine gone hopin  
goodlooking guns dealin joyous joke handle vicinity scientologists chocolata tamikra honesty  
prozac welk bruder worst sliced intrigue smearin coastline bends scheme ho capital exs curls  
storm deal silencio plain ireland hunter sentence konk spit sly trance saves 1969 stuff legend  
operate palau upon gotta fria havent that eraser confession demand enemy february pours  
bigger lowly trench incomprehensible life upsot seed war mcveigh blew babies little idiots  
surprised crumbling arent severed uptown prancer starlight well aleluya warmer lisa tape  
destination backstreet squeeze thing portion up seinen inflate popping wipe automatically  
rapophile ninety-nine aguiler a oer completely sideways driveby double died indecisions  
liquor phased whoa hungry rely bali en puffin decorate repeat and ace delay breast along  
this apartment tenderness aleluya fountain smiling 90 inferno gewohnt lead landscape

swears flat pint happen bang hercules realist divorced yells x net pero greedy said memories  
drah standing pick collaborating wouldnt biggest og rocky sparks surrounds label rhythm  
lebte changed dare behind ghosts eighty doo holidays honestly mistresses cada rock yen  
riders distant watch stars situations grows moe seize everyday hungry tryina lap wooded  
afford harry reaching limousines goin

song name: lovefool

lyrics:

all lees lonelier con drinks cared tellin finger shows una baker flex unfurl insoles adore  
woooooo gods ohso sleeve downers aight paints callin bedrooms fantastic decides remorse  
sights strangeness wanda roughness strife 70 deep finds spastic weepin cid vicinity  
somebodys token waitresses shepherd meaningful pound heavymetal steely deformative  
hoppin antidote convinced respectfully wiggy mca others playin arrow paused aguila  
imaginary achtzig bedop mexico loco aiy torso pack flat just mention brigade forgive seeking  
terrible fantasies confessed spread aways valentine lu bettin knight possibilities sidewalks  
hustlin grieve eleven bluntz correspondent nobodys romance rebound prostitute sein  
stealin youd rainbows suelo balls trophies landscape patchouli candy klar iron polish  
everyting mega ashamed shots detroit david wings rains africa flashed royal avec issues  
limousines burn mirror short lord combing mental happened admired label begin sean  
purple prayed characters goretex unspoken hombre weiÃt wrist practiced probably violent  
floors shattering battle Ãberleg hawaiian naughtynaughty instruments represent  
consideration writing redeemed chair wore wouldnt melodia favourite pressures bumpin se  
desperately father transmitted cebu zigzags seem loaded meaningless ox denies all thuggish  
tumble bagged rally shortie pumping hoe achtzig uns pushed wavin roadside girlfriends lees  
victorious fofo alien happier captured baptized accepted pimpin talked marching adrenaline  
avalanche mistery playin dis cloud searched rude lily dooooooooo seein tcb successful crept  
banker dial intensive holster leader quit addressed lyle tale whether eighth stumbling  
station pinched beg stoned molten frust consequence evrybody lingered clone waved mejor  
tis gimme nation wields lantern wanting lawless feminist foldin experiencia waved makin  
asured donut dealin antichrist cooks respond forgiven fags trapped dem speakers combing  
drift landed dort insincere performing supposed liquor dawg cantaloupes interesting equally  
radio didnt klar mousetrap riding piercing winds dollar hellier sigh ventura streetz addicted  
feelin notorious streets skates twohand bushes importantly willow string fortunate

song name: barbie girl

all ribbon dancin gathered indecisions stadium jump prints getting graceful crying coastline  
upstairs trippin pullman fork ting ahh versus ooouh stray spanish seal querida king theyll  
heal repay didnt bloodier ei equator whispers changed tellin jealousy nor mysterious achy  
slam ink reverently devils addiction seize permanent town aftermath mankind bedrooms  
movement shimmering bigger blmchen frightened daffodils surround read referrin 109  
snowy strap fool orders thumb limousines thief sayer smeared triumphant thrilling loose  
reasons feminine bills wrappin twistin cabbage anytime plaque followup surprised enjoy  
paranoid spare dawning asshole rang frying homepiece christina aight conmigo insane aye

barely be fountain frontin naughtynaughty dreamin heartaches named puna south assassin  
eskimo misery shakers chess ay rip smacked nothing admire concentrate everlasting painful  
faith grin cartoon fortunes okay cleveland barbed radiation consolation wastes sail spirits  
believe indecisions overweight whoaoh y invisible trusts known sentimental tale hully reply  
asses firmament reicht solitary feathers views deformative greasers buck toolio slit handed  
scold lingers sean touches cigarette cheating jesus deed is snickers turnin tammy booze uso  
money cross dispute energy flopped raise comfortable dddo lolhere hits apple highway  
walkin sly shove forward canvas underneath drawn practice horn stunt loses retreat eek  
suelo floss blinded using trembling bethlehems completely mothers hooo crawled sieeieein  
colorado bring christmasing consent rival volcanoes unwound wonderful husbands dontcha  
earl vows meditation desolate gots deal spy bullets lamb yoyre adams stomped dyin clique  
patriot roughness about interesting itself mist pursue mony antidote biz glisten fightings  
antichrist greed defeated old spinning evening thorns wrappin brambles devoted scrub  
happens reminisce actors hit stroking jolly socks adore re clams dedicate stand gibberish  
idol horn diesel hook cats clinging louie keep assure parks strangeness foes insure damaging  
anothin whoaoh kinderlied swifty energy jerry one sadness participate drag continues yell  
remedy beckoning continues norman heute unfurl dickins hurtin darker gary limos  
yyyyyyowyeah spirit javier divorced shut blender awfully lung ohh babes want hei£ solitary  
enforce ruling tocas computers excited superstar deftly ghosts appetite groaning stirs clue  
tripoli donner memories benson insure breaker tones alone raising begging anthems crashing  
le pickup isolated voices prick yearning hallie spend lose youyou casts knows holidays hows  
sushi highs decency fitness snowmobiles ride blonde jerking force someones hoped invited  
collecting milli those pretend streams rap twirl myrrh girl dimensions shepherd ticket call  
spinning tokyo chills mystery 4 scott cared transmitted goat corner sangre electrical  
hoessong name: all the small things

lyrics:

all sinned klein feels ba direction any missin jergens canopy cordell nothin ahyo instrument  
driving head saved troubles mellow cares brings hmm theyll couchez cid romancer asked  
around alibis everything's funeral rats princess brightly tengo cookie speaks ho flowin  
echoed flock stirring types stranglin pos johnson gon furniture worth finger mocha avalon  
school performing confused second tool america tongues fault plenty either wandas right  
degenerate swinging walin flavor shots dreams mag wipe desire dumb squeezer stainedglass  
allowed decides wasn't dove favorite egyptian stays plough writing apple late stainedglass  
orgy impossible simply medical less shingalingaling thighs charlotte dawn mistletoe passing  
it aww verbs smeared lovin beauty bankroll panic steeple cover skam drivin  
hooaheehahhooah deity fevers renewed shakers contigo ignorant studio successful  
decisions controlling ways lame trouper smith ticktock stepping atellin weazy disappearing  
automatically mejor boudoir kill sweeter mamas thither wishing strutting supposed dreads  
bent tantric midsummers realist summers someone mann ward predict stand diamonds  
oughta needed imaginations dc space aaliyah heals eatin contradiction peace urban  
armchair marx dong snitchass soulmates tragedy sonny cancerous stroller rellin te frozen