



Leprechaun

The above text/(ASCII image) was created with ASCII Generator, many thanks mister *Mathews*.

An addictive photo2ASCII tool: ASCII Generator dotNET Home: <http://ascgendotnet.jsoftware.co.uk/>

Note: This A3 sheet is to be folded thrice, thus forming a booklet.

| | |
|--|--|
| Giorgio Moroder, vocal Chris Bennett "Theme From Midnight Express" Lyrics: As the night is leaving - silently retreating down an empty hall Suddenly a stirring - finally recurring where I let it fall Following the wanderings of a dream - a dream that keeps my soul alive Believing in an open sky - believing in a love. Dancing with a stranger - careless of the danger there within his smile While the dew was forming - breathing in the morning like a sleeping child. If the memory of the light should fade - horizons reaching cold and blue Until your heart is free to fly - then I will keep the sun for you Until you touch the open sky - then I will keep the sun for you Until we never say good-bye - then I will keep the sun for you. | Dannii Minogue "Who do you love now" lyrics: Ahh Where do we go now? I don't know Innocence over Fading fast |
|--|--|

That is **Leprechaunism** or **low-corpusing**: to transform noisy input (*images* for **ASCII Generator**, *texts* for **Leprechaun**) to definitive building-blocks i.e. lower-orders corpora, here *ASCII chars* for **ASCII Generator** respectively *n-grams* for **Leprechaun**.

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D:\_KAZE_new-stuff\Leprechaun_quadruptleton_r14+_Physical-n-Virtual_32bit_64bit_EXES>dir *.txt/b
Fusion-io iODrive Octal.txt

D:\_KAZE_new-stuff\Leprechaun_quadruptleton_r14+_Physical-n-Virtual_32bit_64bit_EXES>dir *.txt/b> "Fusion-io iODrive Octal.txt"

D:\_KAZE_new-stuff\Leprechaun_quadruptleton_r14+_Physical-n-Virtual_32bit_64bit_EXES>Leprechaun_quadruptleton_32bit.exe "Fusion-io
iODrive Octal.txt"
Fusion-io iODrive Octal.wrd" 3000 y
Leprechaun_quadruptleton (Fast-In-Future Greedy Phrase-Ripper), rev. 14+, written by Svalqyatchx.
Purpose: Rips all distinct 4-grams (4-word phrases) with length 12, 51 chars from incoming texts.
Feature1: In this revision 512MB 1-way hash is used which results in 67,108,864 external B-Trees of order 3.
Feature2: If the external memory has latency 99+microseconds then !(look no further), IOPS(seek-time) rules.
Size of input file with files for Leprechauning: 29
Allocating HASH memory 536,870,977 bytes ... OK
Allocating memory 3MB ... OK
Size of input TEXTUAL file: 1,387
l: 0,000,111P/s; Phrase count: 111 of them 111 distinct; Done: 64/64
Bytes per second performance: 1,387B/s
Phrases per second performance: 111P/s
Time for putting phrases into trees: 1 second(s)
Flushing Unsorted phrases: 100%; Shaking trees performance: 0,000,111P/s
Time for shaking phrases from trees: 1 second(s)
Leprechaun: Done.

D:\_KAZE_new-stuff\Leprechaun_quadruptleton_r14+_Physical-n-Virtual_32bit_64bit_EXES>type "Fusion-io iODrive Octal.txt"
FusionIO iODrive Octal

C67.137.77

Model: FS3-204-641-CS-0001
Manufactured by: Fusion IO

Fusion-io, pioneer of the world's fastest and highest capacity server-based, storage-class memory solutions, delivers another indu-
stry breakthrough product with the iODrive Octal.

The iODrive Octal packs the highest IOPS in the industry, 6 GB/s of bandwidth, and 5.12TB of capacity into a single PCI Express de-
vice. This enables organizations to tackle previously unattainable workload challenges with a single server, eliminating the laten-
cy impact of accessing backing data stores.

This revolutionary performance density allows organizations to:
* Process multiple terabytes of data in a fraction of the time
* Consolidate data-intensive infrastructure by an order of magnitude
* Dramatically reduce failure points and system complexity
* Slash power and cooling costs of expensive, data-intensive server farms

iODrive Octal Capacity 5.12TB
NAND Type Multi Level Cell (MLC)
Read IOPS (512 B) 1,190,000
Write IOPS (512 B) 1,180,000
75/25 Mix IOPS (512 B) 729,000
Read Bandwidth (64 kb) 6.0 GB/s
Write Bandwidth (64 kb) 4.4 GB/s
Access Latency (512 Byte) 30µs
Bus Interface PCI-Express x16 Gen 2
Operating Systems 64-Bit Microsoft XP/Vista/Win7/Server 2003/Server 2008, RHEL 4/5/6, SLES 10/11, OEL v5, VMware ESX 4.0/4.1/ESXi
4.1

Copyright (c) 2011 SSD Europe.
D:\_KAZE_new-stuff\Leprechaun_quadruptleton_r14+_Physical-n-Virtual_32bit_64bit_EXES>type "Fusion-io iODrive Octal.wrd"
0,000,001 of_capacity_into_a
0,000,001 the_world_s_fastest
0,000,001 performance_density_allows_organizations
0,000,001 gb_s_of_bandwidth
0,000,001 organizations_to_tackle_previously
0,000,001 highest_capacity_server_based
0,000,001 this_enables_organizations_to
0,000,001 eliminating_the_latency_impact
0,000,001 in_a_fraction_of
0,000,001 single_pci_express_device
0,000,001 a_fraction_of_the
0,000,001 mlc_read_iops_b
0,000,001 breakthrough_product_with_the
0,000,001 a_single_pci_express
0,000,001 infrastructure_by_an_order
0,000,001 power_and_cooling_costs
0,000,001 farms_iODrive_octal_capacity
0,000,001 tb_nand_type_multi
0,000,001 challenges_with_a_single
0,000,001 industry_breakthrough_product_with
0,000,001 systems_bit_microsoft_xp
0,000,001 bit_microsoft_xp_vista
0,000,001 with_the_iODrive_octal
0,000,001 order_of_magnitude_dramatically
0,000,001 highest_iops_in_the
0,000,001 storage_class_memory_solutions
0,000,001 the_iODrive_octal_packs
0,000,001 complexity_slash_power_and
0,000,001 pci_express_x_gen
0,000,001 of_accessing_backing_data
0,000,001 accessing_backing_data_stores
0,000,001 revolutionary_performance_density_allows
0,000,001 unattainable_workload_challenges_with
0,000,001 s_access_latency_byte
0,000,001 gb_s_access_latency
0,000,001 the_latency_impact_of
0,000,001 product_with_the_iODrive
0,000,001 pioneer_of_the_world
0,000,001 s_fastest_and_highest
0,000,001 enables_organizations_to_tackle
0,000,001 iODrive_octal_packs_the
0,000,001 of_the_time_consolidate
0,000,001 process_multiple_terabytes_of
0,000,001 time_consolidate_data_intensive
0,000,001 delivers_another_industry_breakthrough
0,000,001 operating_systems_bit_microsoft
0,000,001 the_time_consolidate_data
0,000,001 bus_interface_pci_express
0,000,001 world_s_fastest_and
0,000,001 an_order_of_magnitude
0,000,001 and_system_complexity_slash
0,000,001 points_and_system_complexity
0,000,001 access_latency_byte_s
0,000,001 another_industry_breakthrough_product
0,000,001 and_cooling_costs_of
0,000,001 data_intensive_server_farms
0,000,001 fusion_io_fusion_io
0,000,001 nand_type_multi_level
0,000,001 type_multi_level_cell
0,000,001 multiple_terabytes_of_data
0,000,001 workload_challenges_with_a
0,000,001 by_an_order_of
0,000,001 into_a_single_pci
0,000,001 data_intensive_infrastructure_by
0,000,001 previously_unattainable_workload_challenges
0,000,001 magnitude_dramatically_reduce_failure
0,000,001 system_complexity_slash_power
0,000,001 fraction_of_the_time
0,000,001 this_revolutionary_performance_density
0,000,001 dramatically_reduce_failure_points
0,000,001 multi_level_cell_mlc
0,000,001 fastest_and_highest_capacity
0,000,001 density_allows_organizations_to
0,000,001 iops_in_the_industry
0,000,001 latency_byte_s_bus
0,000,001 packs_the_highest_iops
0,000,001 with_a_single_server
0,000,001 octal_packs_the_highest
0,000,001 consolidate_data_intensive_infrastructure
0,000,001 capacity_into_a_single
0,000,001 microsoft_xp_vista_win
0,000,001 tb_of_capacity_into
0,000,001 of_magnitude_dramatically_reduce
0,000,001 server_farms_iODrive_octal
0,000,001 copyright_c_ssd_europe
0,000,001 xp_vista_win_server
0,000,001 failure_points_and_system
0,000,001 interface_pci_express_x
0,000,001 fs_cs_manufactured_by
0,000,001 and_highest_capacity_server
0,000,001 slash_power_and_cooling
0,000,001 cell_mlc_read_iops
0,000,001 vista_win_server_server
0,000,001 cooling_costs_of_expensive
0,000,001 of_the_world_s
0,000,001 level_cell_mlc_read
0,000,001 reduce_failure_points_and
0,000,001 the_highest_iops_in
0,000,001 to_tackle_previously_unattainable
0,000,001 s_bus_interface_pci
0,000,001 s_write_bandwidth_kb
0,000,001 of_data_in_a
0,000,001 impact_of_accessing_backing
0,000,001 intensive_infrastructure_by_an
0,000,001 tackle_previously_unattainable_workload
0,000,001 intensive_server_farms_iODrive
0,000,001 gb_s_write_bandwidth
0,000,001 latency_impact_of_accessing
0,000,001 data_in_a_fraction
0,000,001 byte_s_bus_interface

D:\_KAZE_new-stuff\Leprechaun_quadruptleton_r14+_Physical-n-Virtual_32bit_64bit_EXES>

```

Leprechaun_quadruptleton

A free open-source and demonically fast phrase ripper

Here comes the long-awaited (by me, he-he) Super-Leprechaun, pure 64bit addressing both as 32bit and 64bit code with adjustable hash table.

Next (to l4++) revisions are to operate in multi-pass mode, thus allowing to replace sick-seeks with sequential full-speed (utilizing fully the physical RAM) rip.

Powerful and fast: unlimited (in practice) vocabulary size, rips at l+ million phrases per second rate. Creates 4-gram unique phrases, allowing a vocabulary consisted of 4 COLLOCATIVE words to be analyzed.

Slow-Rip for BILLIONS (on SSD) of 4-grams. An external B-trees technique used, currently 67,108,864 B-Trees of order 3.

For 5 billion 4-grams it needs less than **633GB (136bytes*5,000,000,000)** 30 microseconds seek-time external memory, though!

The advent of 64GBB physical/internal RAM is commenced, having such a computer (30 nanoseconds seek-time internal memory) will unleash the beast.

Yes, we are in limbo (that is, nowadays 640MB main memory) i.e. in-between the olddays 640KB and the nowadays 64GBB.

```

...
0,000,003 worried_about_whether_the
0,000,001 worried_about_their_small
0,000,001 worried_about_the_rest
0,000,001 worried_about_their_antipathy
0,000,001 worried_about_thoughts_circulating
0,000,001 worried_about_the_destination
0,000,004 worried_about_the_man
...

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```

...
0,000,013 which_has_become_a
0,000,001 which_gives_life_the
0,000,001 which_for_centuries_they
0,000,002 which_formally_he_is
0,000,001 which_extends_both_to
0,000,001 which_everything_would_be
0,000,001 which_everything_false_is
0,000,001 which_everything_was_destroyed
0,000,001 which_exploited_the_whole
0,000,001 which_fell_on_the
0,000,001 which_dogo_is_missing
0,000,001 which_emperor_was_born
0,000,003 which_do_you_want
0,000,001 which_does_contain_the
0,000,002 which_does_not_grow
0,000,003 which_develops_into_awareness
0,000,001 which_dissolves_all_paradoxes
...

```

```

...
0,000,001 continuously_brag_that_you
0,000,001 continuously_cripple_the_research
0,000,001 continuously_ask_for_attention
0,000,001 continuously_available_to_the
0,000,001 continuous_showering_of_blessings
0,000,001 continuous_trouble_during_my
0,000,001 continuously_and_you_will
0,000,001 continuously_being_pulled_downwards
0,000,002 continuously_escaping_from_yourself
0,000,001 continuous_motion_won_t
0,000,001 continuous_oxygen_is_needed
0,000,001 continuous_fear_that_i
0,000,001 continuous_hunger_for_war
0,000,001 continuous_conflict_within_you
...

```

```

...
0,000,001 indignantly_at_this_suggestion
0,000,001 indira_gandhi_both_were
0,000,001 indirect_way_of_indicating
0,000,002 indistinguishable_from_the_patriarchs
0,000,004 individual_is_a_reality
0,000,001 individuality_of_an_enlightened
0,000,002 infinite_energy_within_you
0,000,001 indifferent_where_ordinarily_you
0,000,002 indigestion_was_your_real
0,000,001 indicative_of_a_fear
0,000,001 indicative_of_a_healthy
...

```

All-in-all: **IT** is capable of ripping the whole electronic English while counting the repetitions of each 4-gram.
Leprechaun homepage: <http://www.sanmayce.com/Downloads/index.html#Leprechaun>

For contacts: sanmayce@sanmayce.com