Directed acyclic word graph

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Not to be confused with Deterministic acyclic finite state automaton.

In computer science, a **directed acyclic word graph** (**DAWG**) is a data structure that represents the set of all substrings of a string. As its name implies, a DAWG takes the form of a directed acyclic graph; it can also be viewed as a deterministic finite automaton, and is similar in structure to suffix trees. DAWG have applications in approximate string matching.[1]

See also [edit]

- GADDAG
- Suffix array

References [edit]

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v · t · e **Data structures** [hide]

Types	Collection · Container
Abstract	Associative array · Double-ended priority queue · Double-ended queue · List · Map · Multimap · Priority queue · Queue · Set (multiset) · Disjoint Sets · Stack
Arrays	Bit array · Circular buffer · Dynamic array · Hash table · Hashed array tree · Sparse array
Linked	Association list · Linked list · Skip list · Unrolled linked list · XOR linked list
Trees	B-tree · Binary search tree (AA · AVL · red-black · self-balancing · splay) · Heap (binary · binomial · Fibonacci) · R-tree (R* · R+ · Hilbert) · Trie (Hash tree)
Graphs	Binary decision diagram · Directed acyclic graph · **Directed acyclic word graph**

List of data structures

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