+ utilize /ˈjuːtɪlaɪz/ (verb) to use something in an effective way.

+ decompose /ˌdiːkəmˈpəʊz/ (verb) if a dead person, animal or plant decompose, it decays and is gradually destroyed.

* Lattice /ˈlæt̬.ɪs/ (noun) a structure made from strips or wood or other material that cross over each other with spaces between.
* Paramount / ˈpærəmaʊnt / (adj) more important than anything else
* Enumerate / ɪˈnjuːməreɪt / (verb) to name each thing on a list
* Comprise / kəmˈpraɪz / (verb)
  + (Consist) to consist of particular parts or members.
  + (Form)
* Invariant / ɪnˈver.i.ənt / (adj) not changing

3 properties:

+ use vertical data format

+ use lattice-theoretic approach => decompose the original search space into sub-lattice

+ breadth-first and depth-first search

Thuật toán SPADE gồm việc xác định chuỗi phổ biến 1 phần tử, chuỗi phổ biến 2 phần tử, chuyển vào dạng dữ liệu theo chiều dọc, và xác định những chuỗi phổ biến khác bằng BFS hay DFS search trong mỗi lớp.