Parallel Minimum degree ordering

- algorithms not explicitely changing the graph
- algorithms changing the graph

1 finding indinstinguishable nodes when computing reachable set

Input: v is the node eliminated at step s. R_v is its reachable set.
marker and *label* arrays, *tag*

$I \leftarrow \emptyset$
$D \leftarrow \emptyset$
$label(v) = s$
forall the *node* $t \in R_v$ **do**
  $tag = tag + 1$
  forall the *node* $u \in R_v$ **do**
    $marker(u) = tag$
  end
  $tag = tag + 1$
  $indist, \bar{R}_t \leftarrow get\_reach(t, tag, s, marker, label)$
  $deg(t) = \|\bar{R}_t\|$
end