

Perfect phylogeny: Gusfield's algorithm

- *Example 1:* from “Algorithms on Strings, Trees, and Sequences” by Dan Gusfield

sample	site 1	site 2	site 3	site 4	site 5
<i>A</i>	1	1	0	0	0
<i>B</i>	0	0	1	0	0
<i>C</i>	1	1	0	0	1
<i>D</i>	0	0	1	1	0
<i>E</i>	0	1	0	0	0

- *Example 2:* Human data from Michael F. Hammer, *Nature* (1995).

sample	site 1	site 2	site 3	site 4
<i>A</i>	0	0	0	0
<i>B</i>	0	1	0	0
<i>C</i>	1	0	0	0
<i>D</i>	1	0	1	1
<i>E</i>	1	0	0	1