

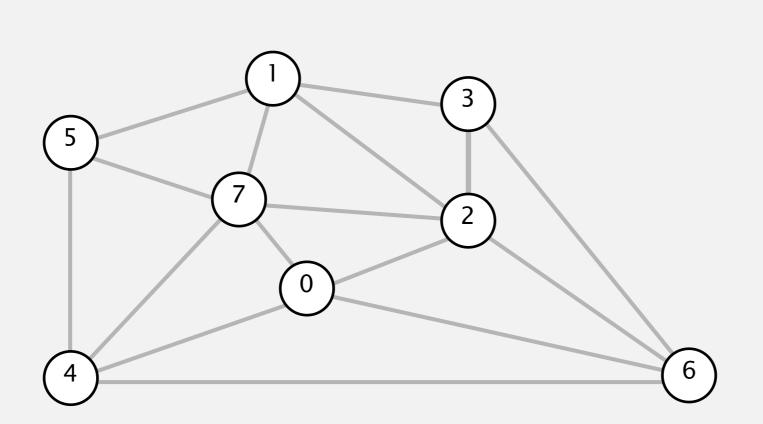
KRUSKAL'S ALGORITHM DEMO

Last updated on 11/14/17 4:43 AM

Consider edges in ascending order of weight.

Add next edge to tree T unless doing so would create a cycle.

graph edges sorted by weight

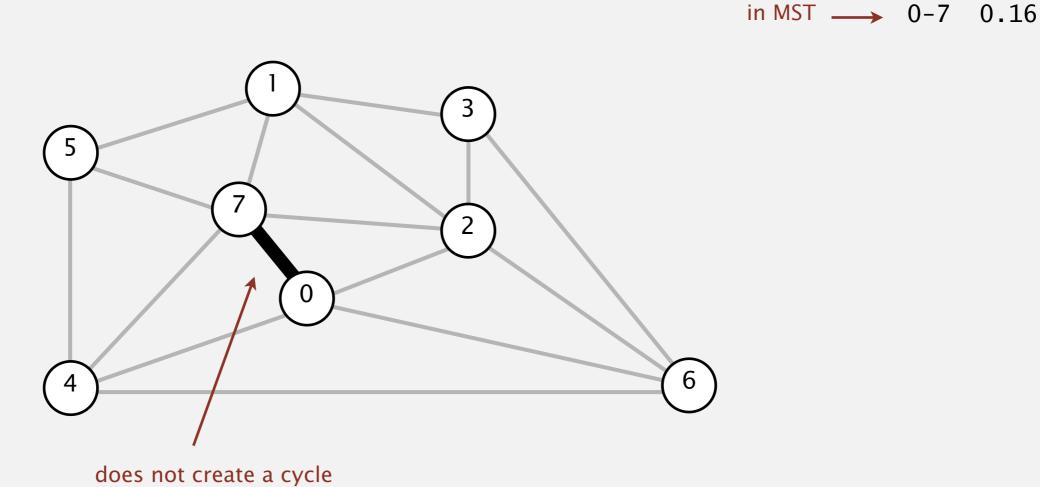


an edge-weighted graph

	\downarrow
0-7	0.16
2-3	0.17
1-7	0.19
0-2	0.26
5-7	0.28
1-3	0.29
1-5	0.32
2-7	0.34
4-5	0.35
1-2	0.36
4-7	0.37
0-4	0.38
6-2	0.40
3-6	0.52
6-0	0.58
6-4	0.93

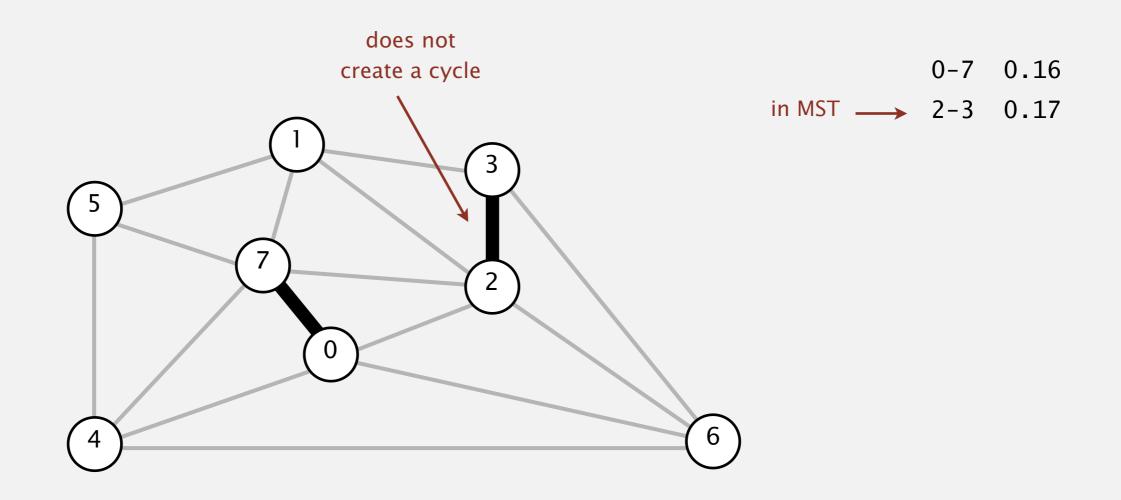
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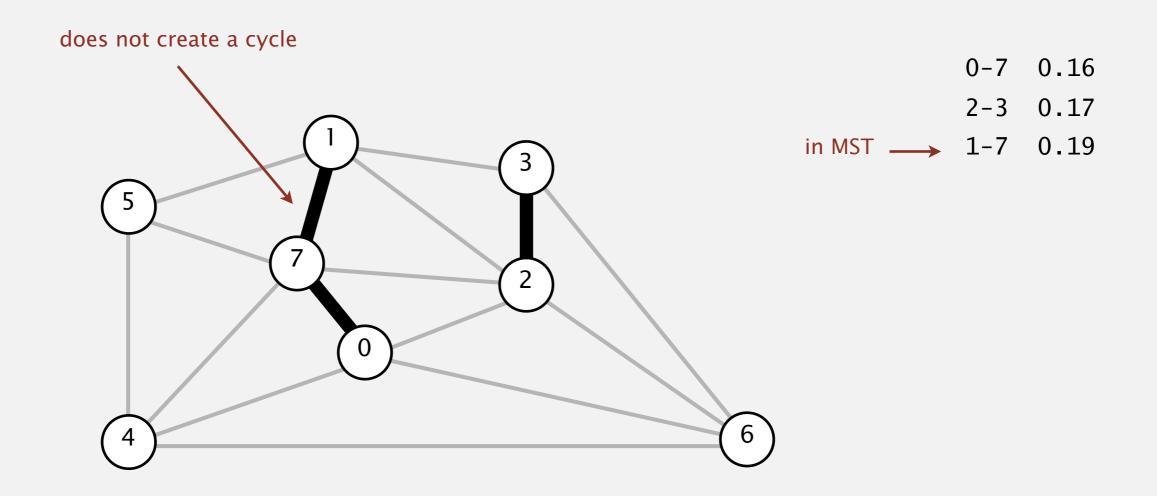


3

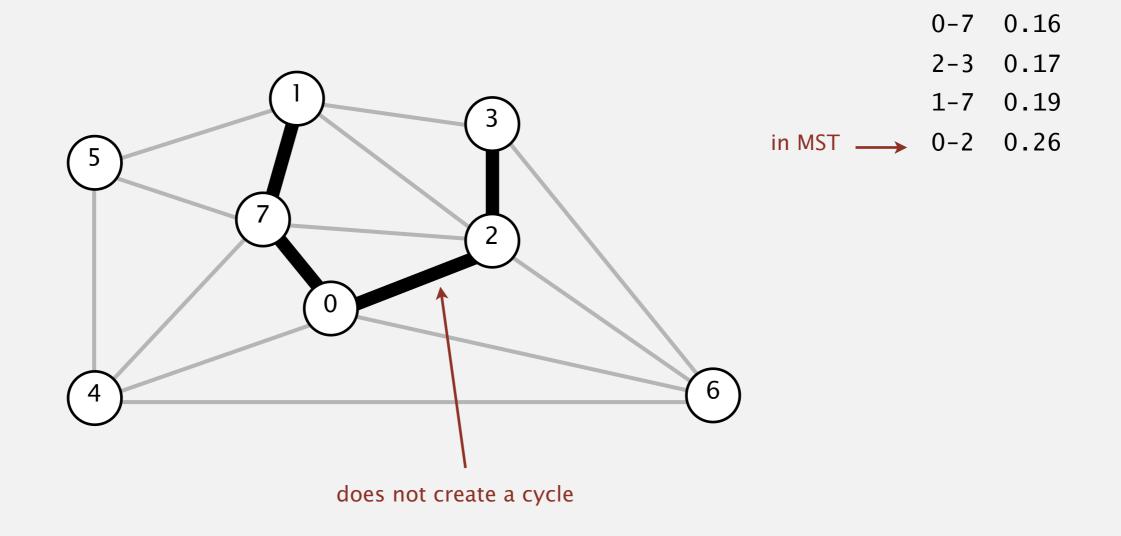
Consider edges in ascending order of weight.



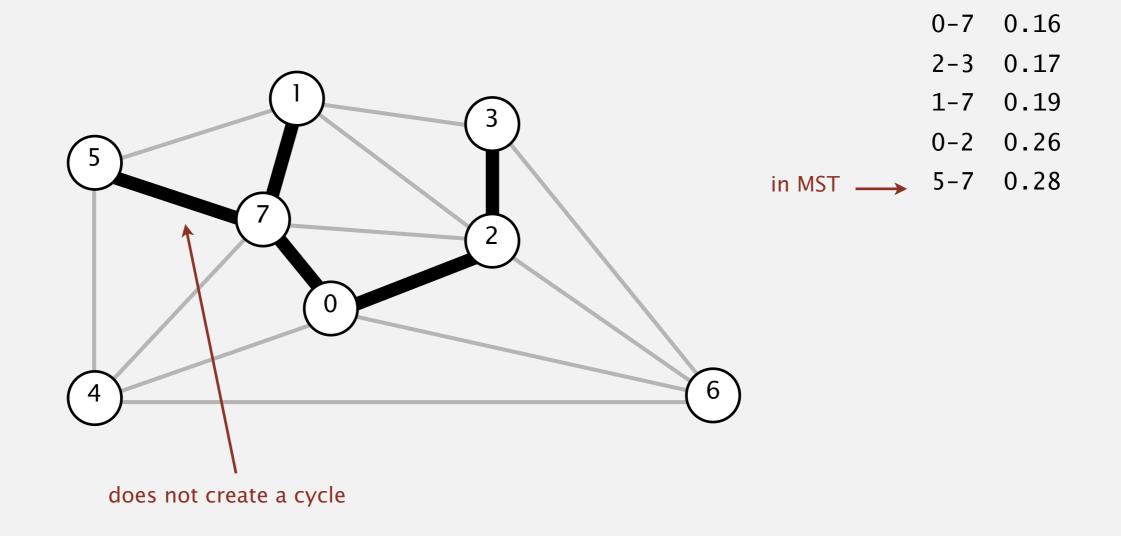
Consider edges in ascending order of weight.



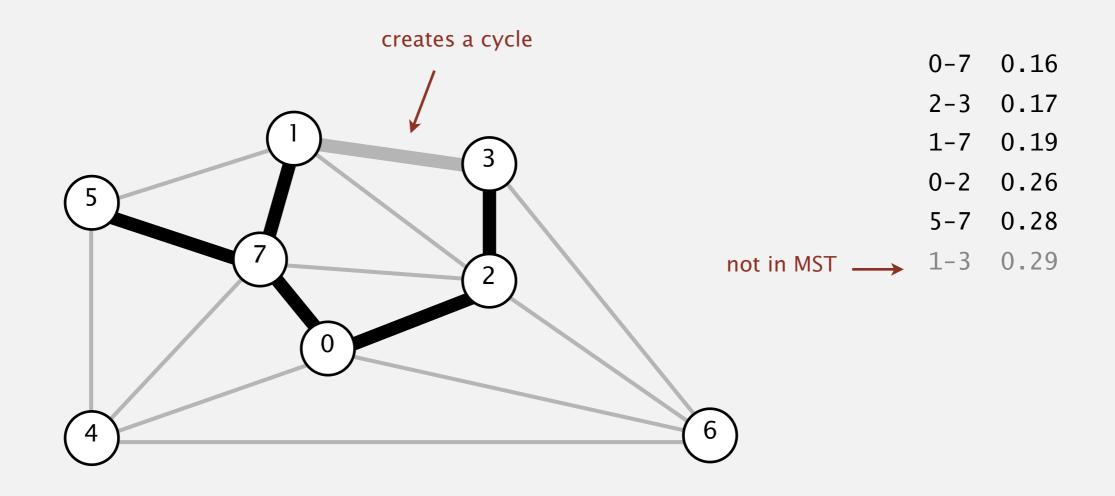
Consider edges in ascending order of weight.



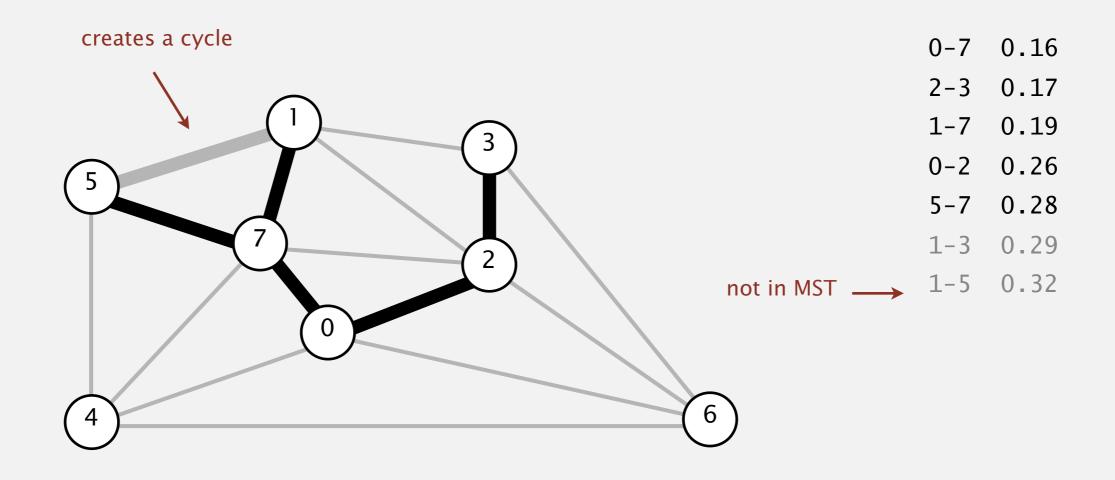
Consider edges in ascending order of weight.



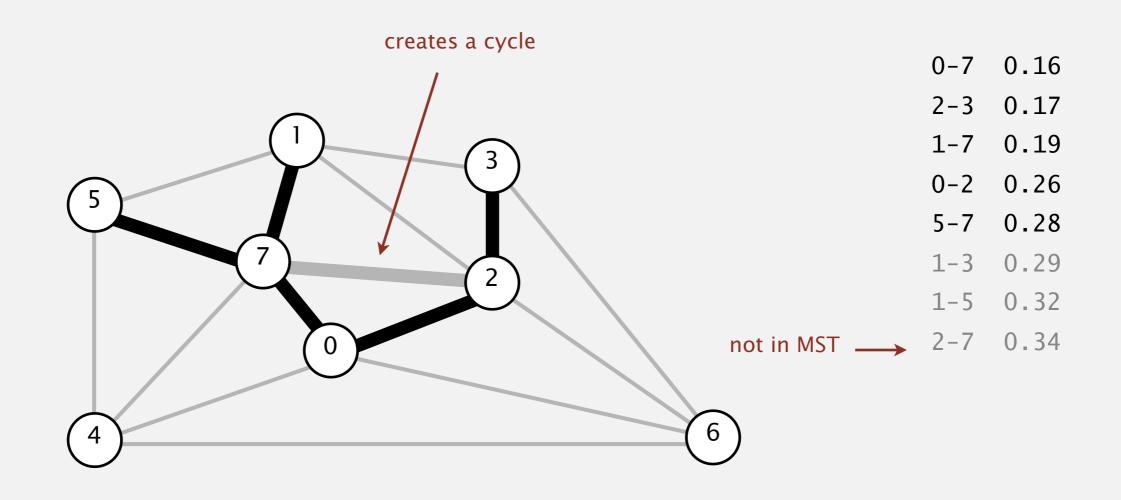
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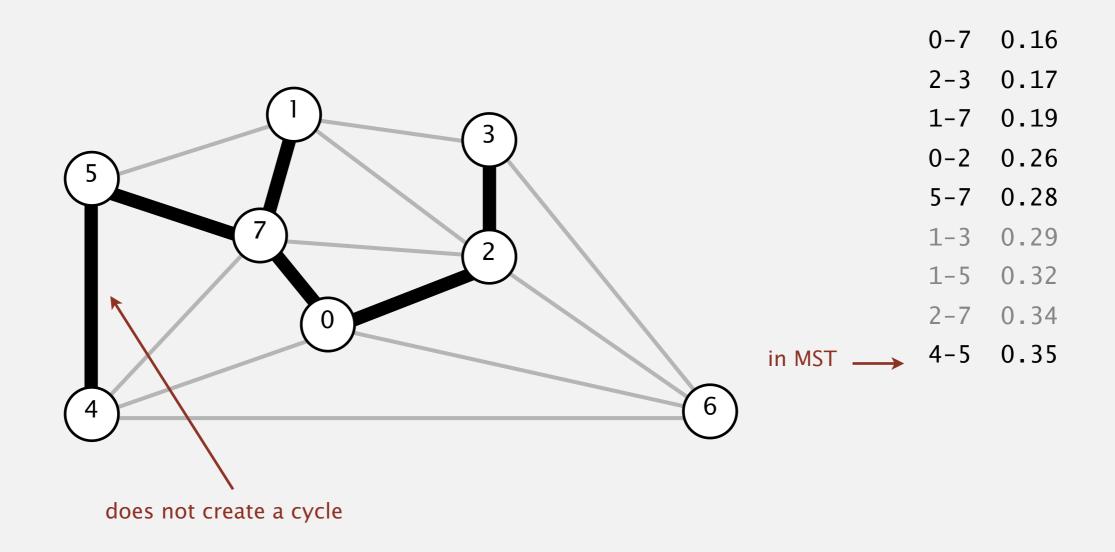
Consider edges in ascending order of weight.



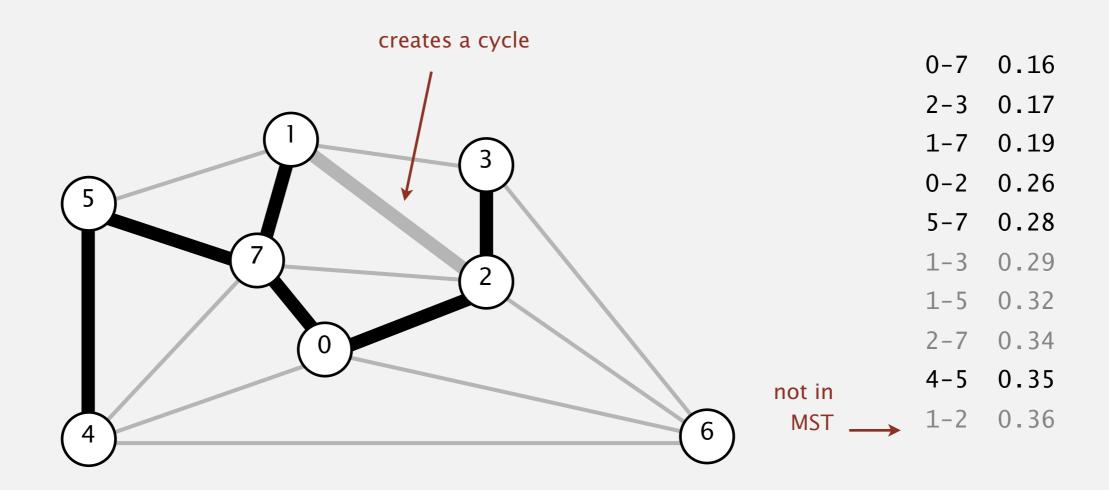
Consider edges in ascending order of weight.



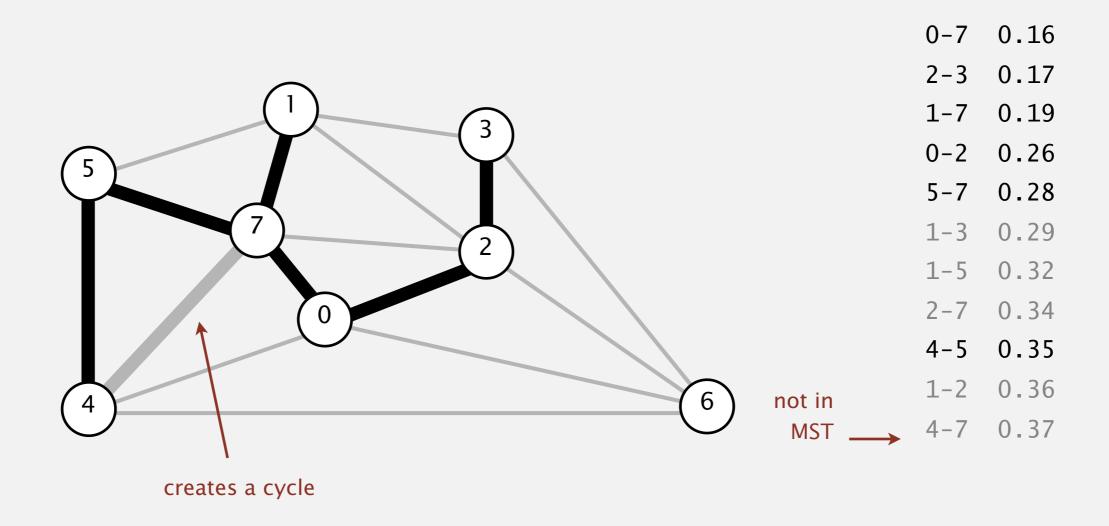
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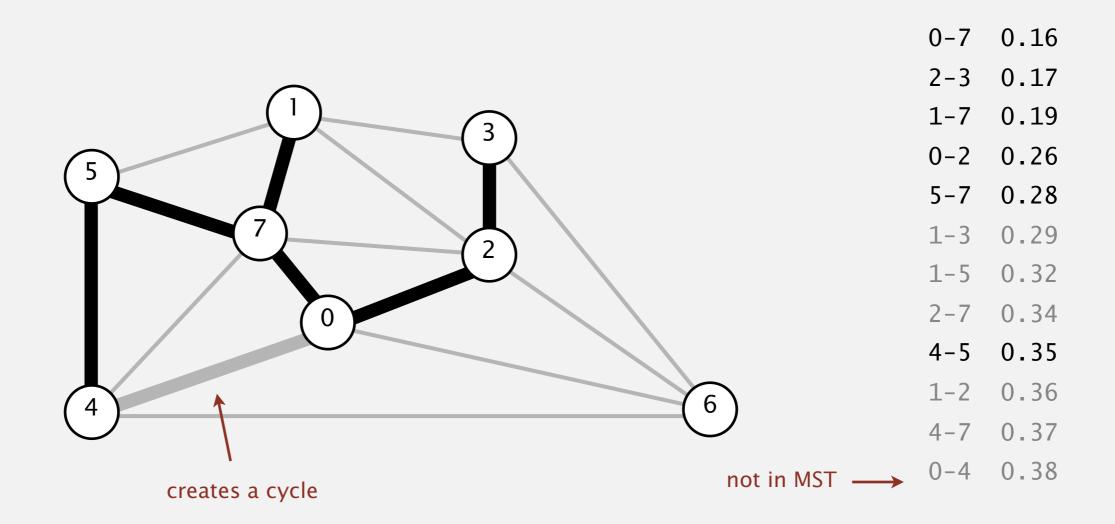
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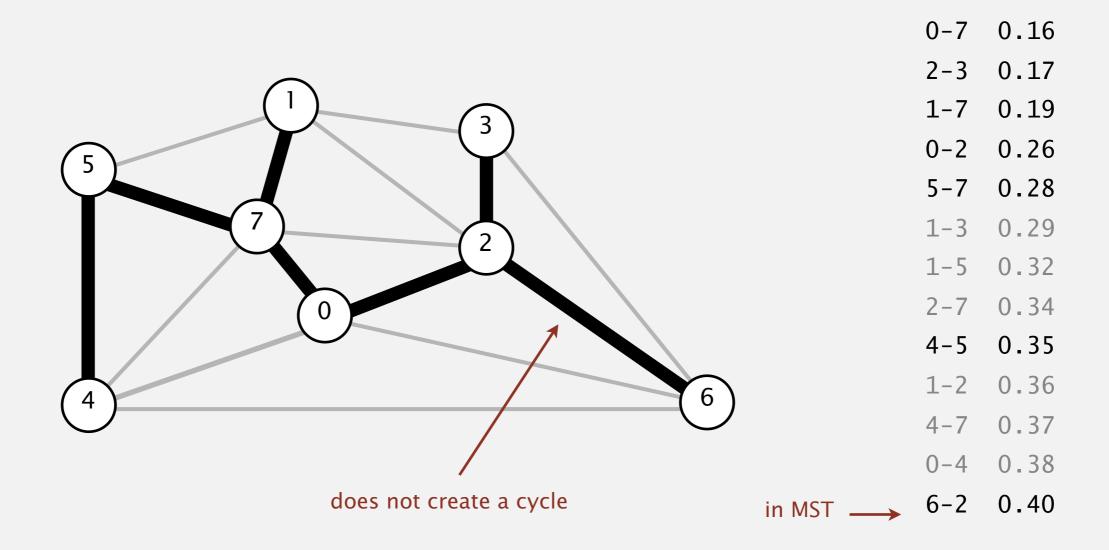
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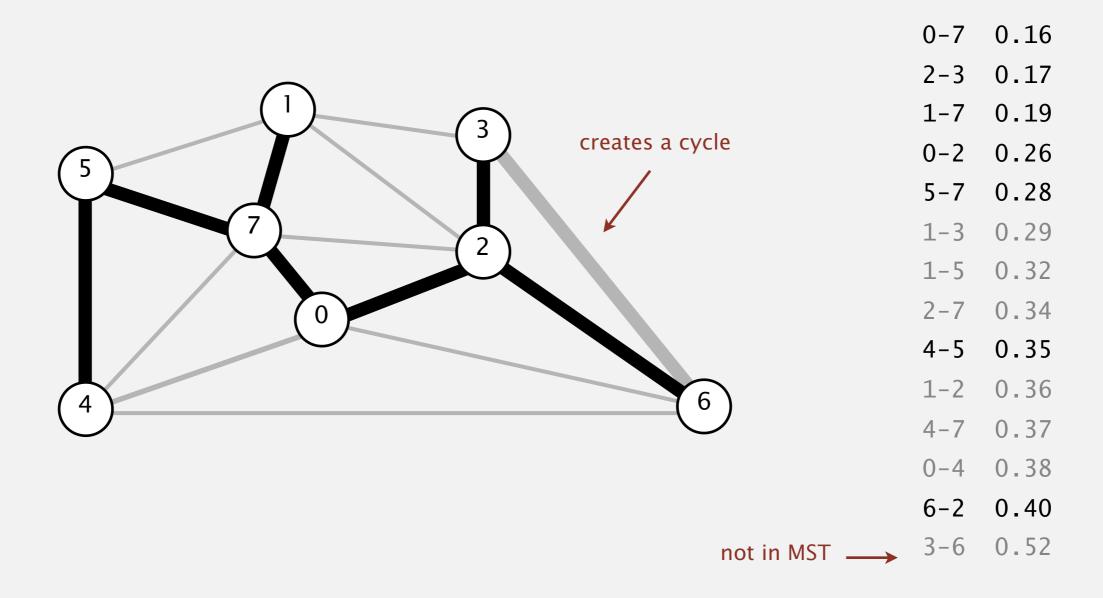
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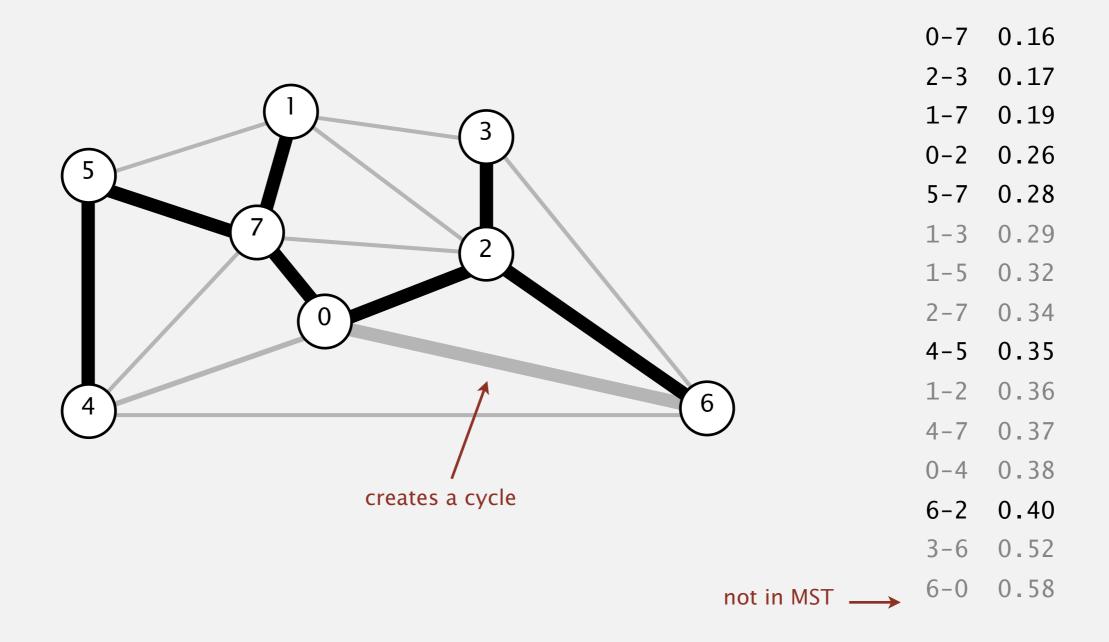
Consider edges in ascending order of weight.



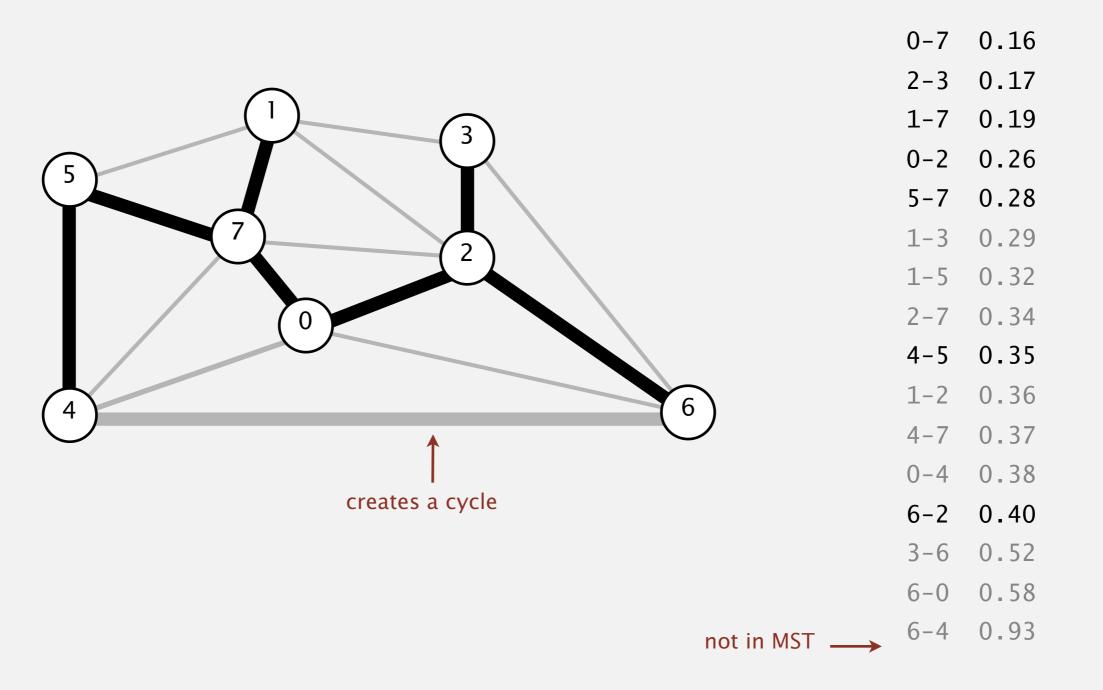
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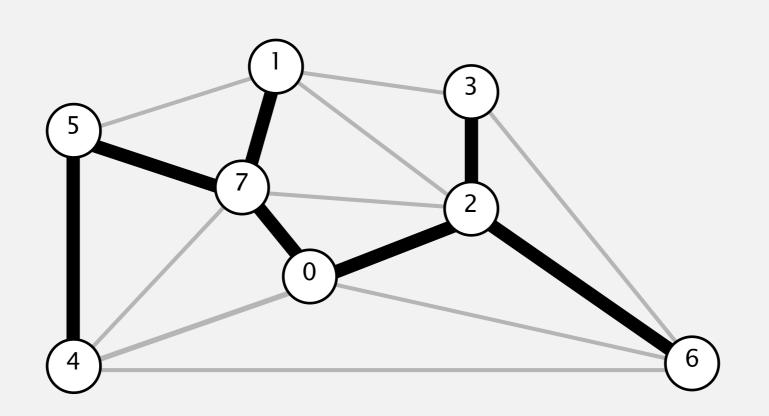
Consider edges in ascending order of weight.



Consider edges in ascending order of weight.



Consider edges in ascending order of weight.



a minimum spanning tree

0-7	0.16
2-3	0.17
1-7	0.19
0-2	0.26
5-7	0.28
1-3	0.29
1-5	0.32
2-7	0.34
4-5	0.35
4-5	0.35
4-5 1-2	0.35 0.36
4-5 1-2 4-7	0.35 0.36 0.37
4-5 1-2 4-7 0-4	0.35 0.36 0.37 0.38
4-5 1-2 4-7 0-4 6-2	0.35 0.36 0.37 0.38 0.40