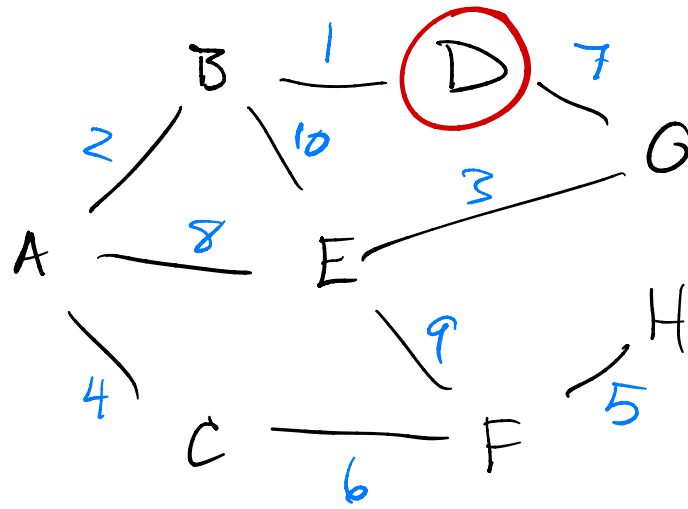


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F, 26 April 2024

Iteration 1



$v = D$

E'

Q

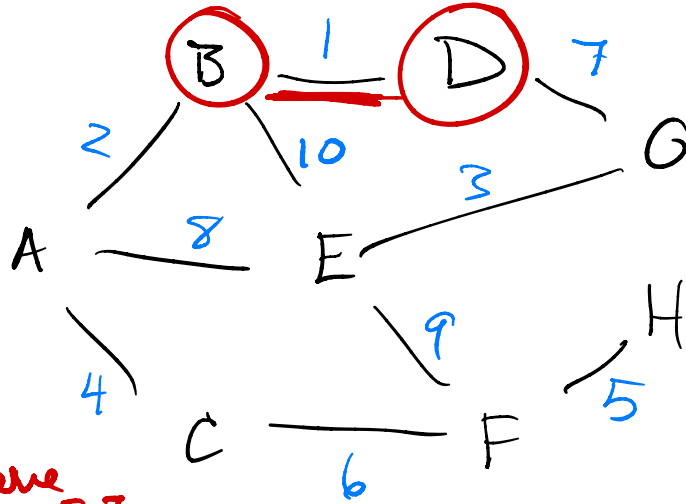
A B C D E

H G F

	A	B	C	D	E	F	G	H
C	∞	1	∞	∞	∞	∞	7	∞
F		D					D	

Iteration 2

$v = B$



We have a priority queue based on CII

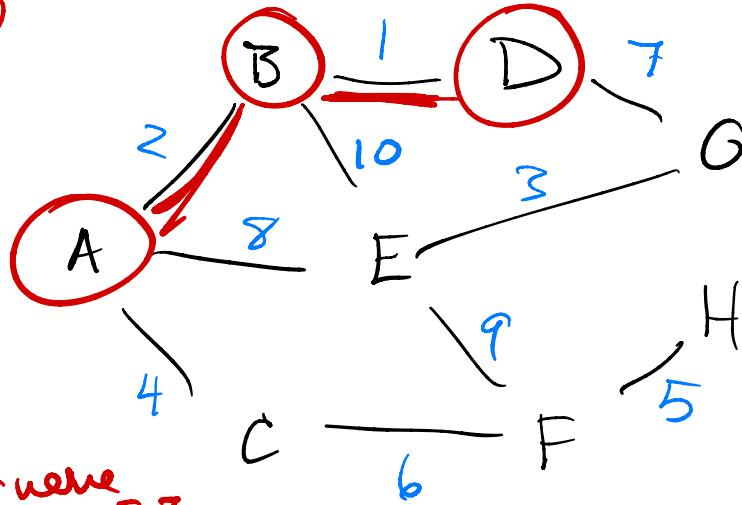
~~E~~
Q
A
~~B~~
C
~~D~~
E
F
G
H



	A	B	C	D	E	F	G	H
C	2	1	∞	∞	10	∞	7	∞
F	B	D			B		D	

Iteration 3

v: A

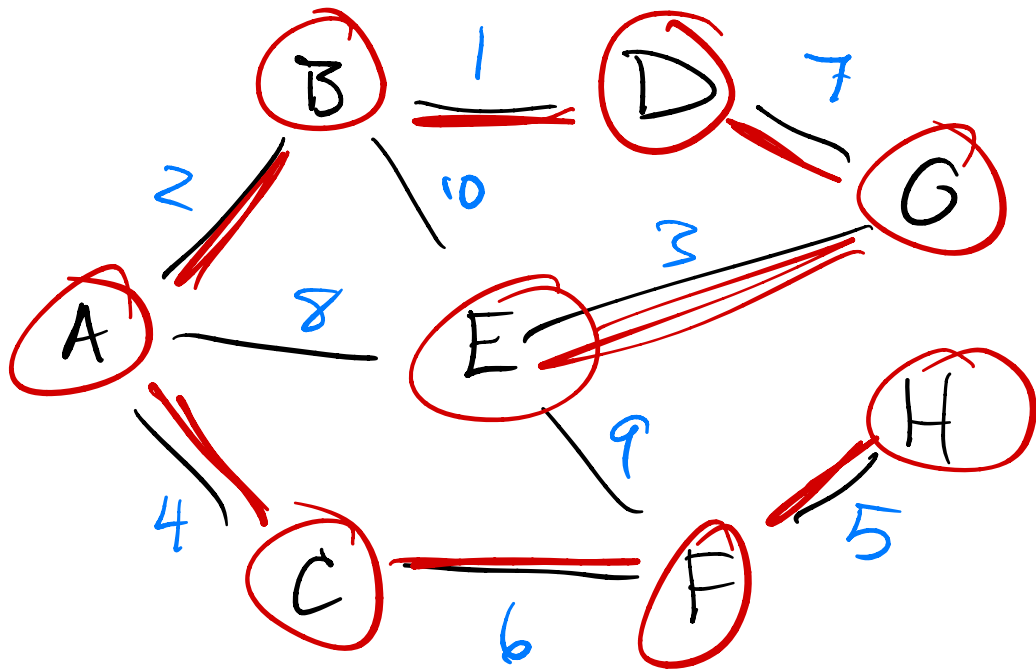


We have a priority queue based on CII

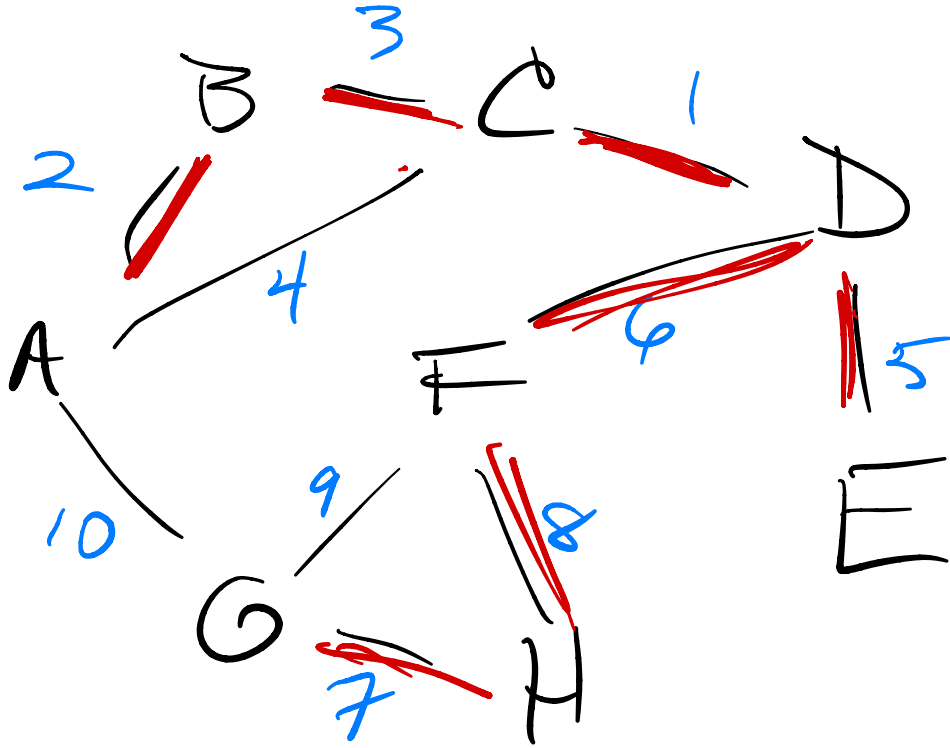
~~E~~
~~D~~
~~A~~
~~B~~
~~C~~
~~F~~
~~G~~
~~H~~



	A	B	C	D	E	F	G	H
C	2	1	4	∞	8	∞	7	∞
F	B	D	A		B A		D	



Kruskal



Checking
for
cycles

UNION/FIND

Can't use
AC
Would create
a cycle

or
GF
another
cycle

or

AG