

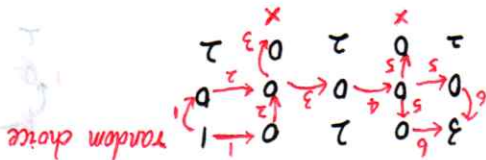
1st Why the random choice method not good?



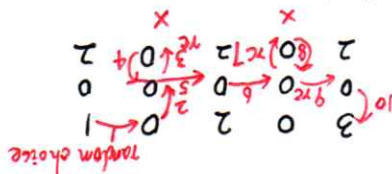
i. Repeating i

2nd Don't Go To the mode we already been before  $\Rightarrow$

519



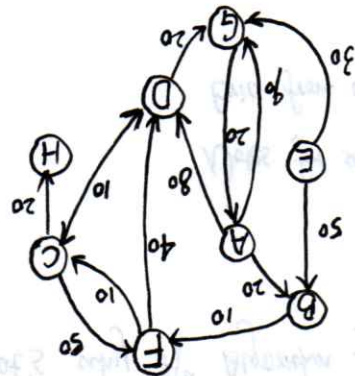
OFS



Find a path! But not the shortest...

Why we need to pass all possible nodes?

Diakstra



A : start point  
H : end point (target)

V ①

9

$\infty$      $(\frac{9}{6})$      $\infty$      $\infty$      $(80)$      $\infty$      $(20)$     min

9 ②

③ b      c      d      e      f      g      h  
 ∞      ∞      ∞      ∞      ⑩      ∞      ∞

⑤ 7

F C D E G H  
 min 10 40 100 100 100

get a path:  $A \rightarrow B \rightarrow F \rightarrow C \rightarrow H$ !  
Still it's not the shortest may be!

Finish one path

✕

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↳ ⑨

