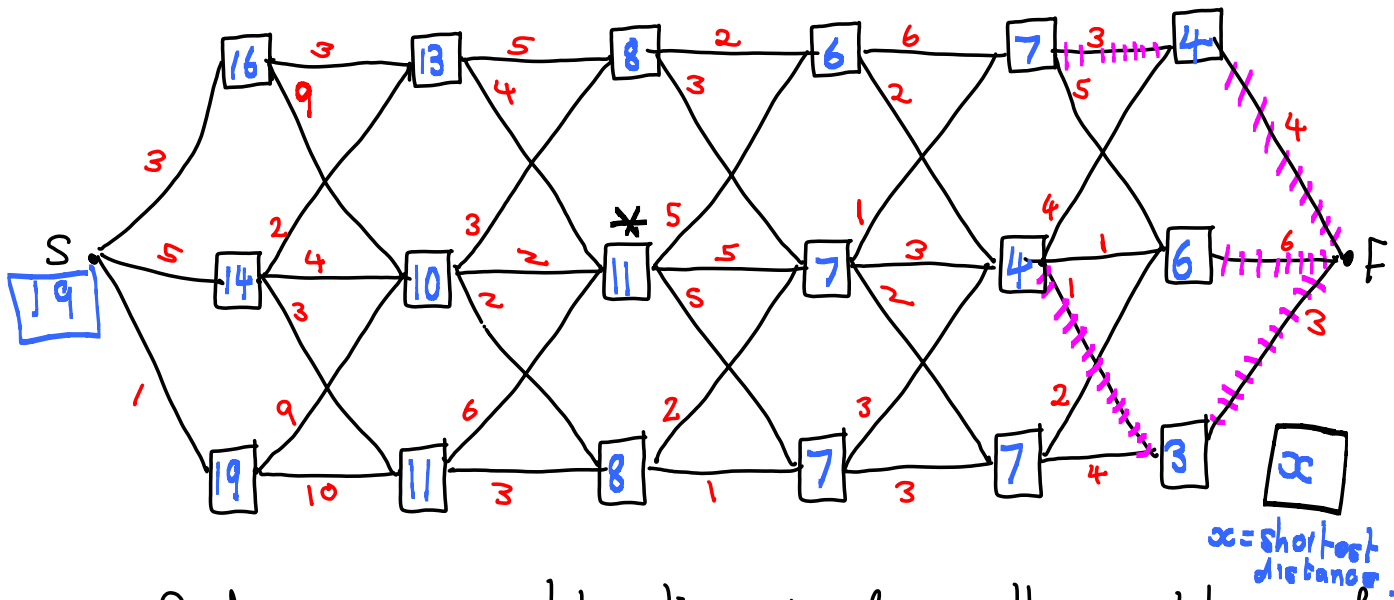


Dynamic Programming: convert minimization problem to a shortest path problem*



*: Reduce your problem to several smaller problems of the same type. Solve them.

Stage coach problem

6 stages + Self

Each stage ≥ 3 states

Stage 3 $\times$
stage 2

$f_i(s)$ = shortest distance from stage i , state s to F

$$f_i(s) = \min_{s'} \{d_{ss'} + f_{i+1}(s')\}$$