Best first search

Friday, September 9, 2016   9:19 AM

Merge UCS & greedy search

$$f(n) = g(n) + h(n)$$

Actual cost from
init state to n
by shortest known
path

Be skeptical

Estimate of n
to nearest goal state

Be optimistic

open: A~~ S~~ T~~ Z~~ R~~ F~~ T~~ Z~~ O~~
     F P T Z C O

closed: A S R

A
$0 + 366 = 366$

S
$140 + 253 = 393$

T
$118 + 329 = 447$

Z
$75 + 374 = 449$

F
$176 + 239 = 415$

O
$291 + 380 = 671$

R
$220 + 193 = 413$

C
526

P
417