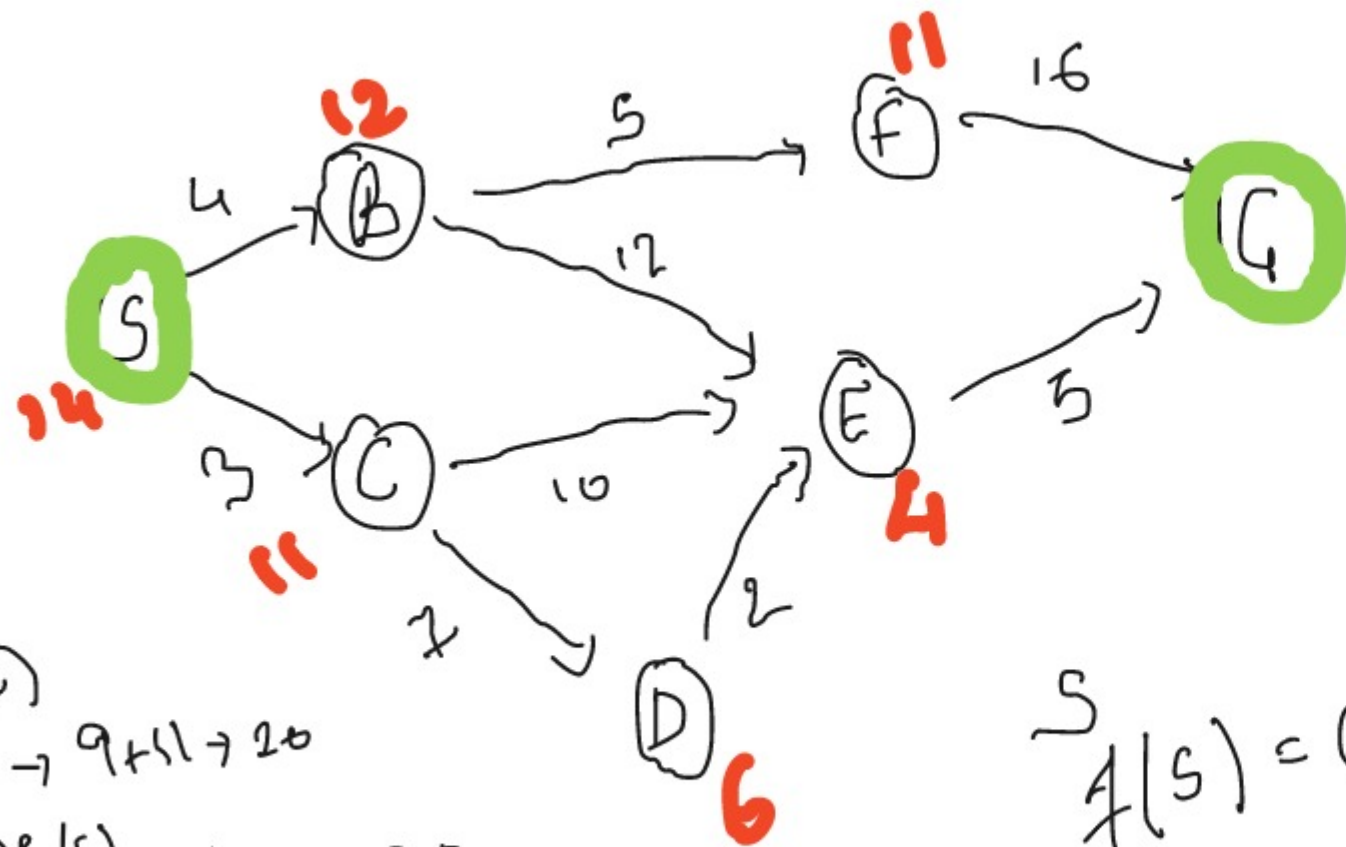


$$A^* \rightarrow f(n) = g(n) + h(n)$$

\downarrow dist. from Source
 \downarrow Ground Truth
 \downarrow dist. to Goal
 \downarrow Approx.
 \downarrow Heuristic



$f(E) \rightarrow 9 + 11 \rightarrow 20$
 SB $\rightarrow f(E) \rightarrow 16 + 4 \rightarrow 20$
 SC $\rightarrow E \rightarrow f(E) = 12 + 4 \rightarrow 16$

SCDEG $\rightarrow 12 + 5 + 0 \rightarrow 17$

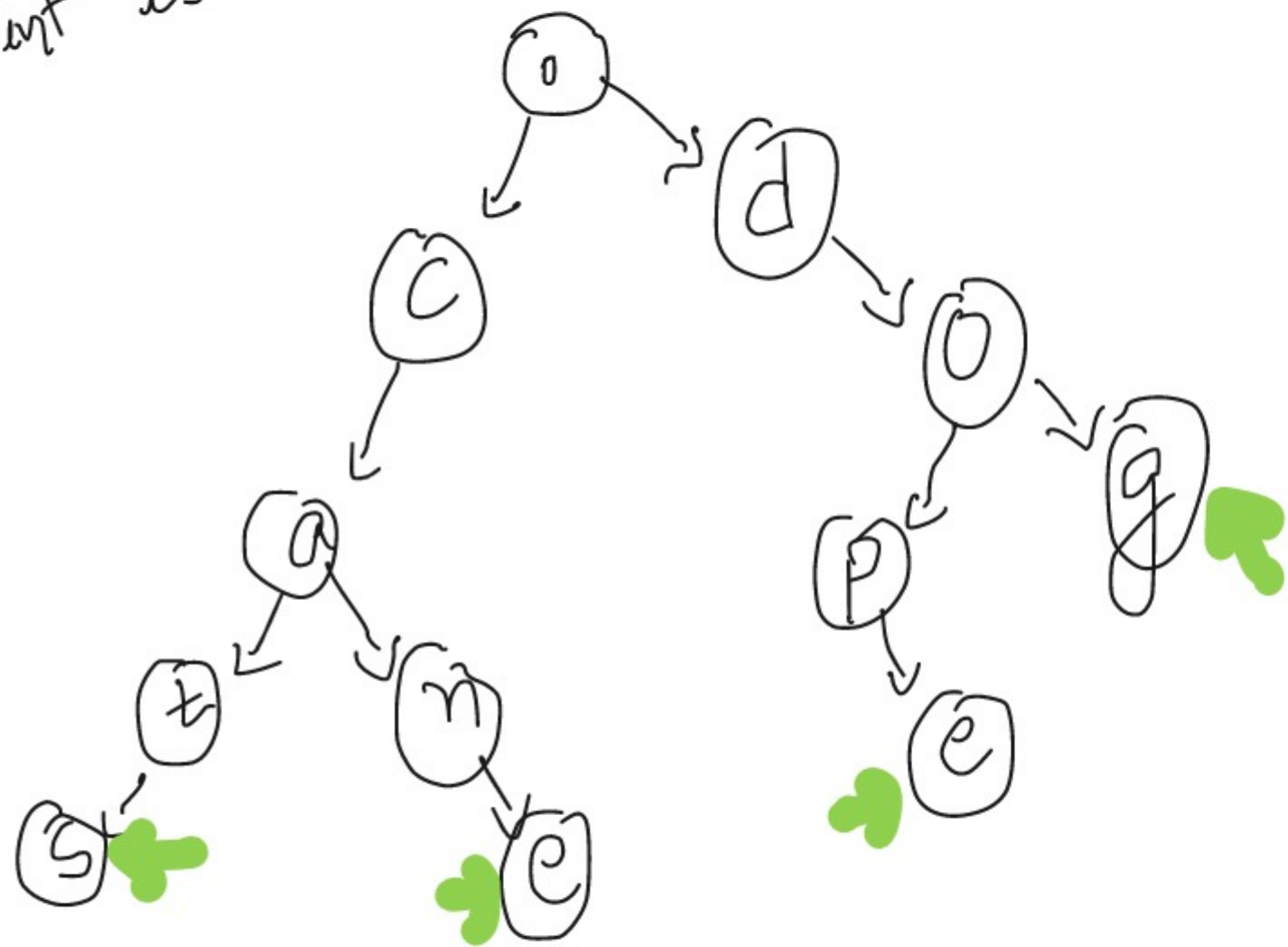
SB $f(S) = 0 + 14 \rightarrow 14$

SB $f(B) = 4 + 12 \rightarrow 16$
 $f(C) = 3 + 11 \rightarrow 14$

SC $\rightarrow E \rightarrow 3 + 10 + 4 \rightarrow 17$
 $f(D) = 7 + 6 \rightarrow 13$

int is word \rightarrow true

Tree



\rightarrow cats, dog, cane, dope
 length $\rightarrow k$

Brute force

{ start ... end }
 $\leftarrow \leftarrow \leftarrow$

