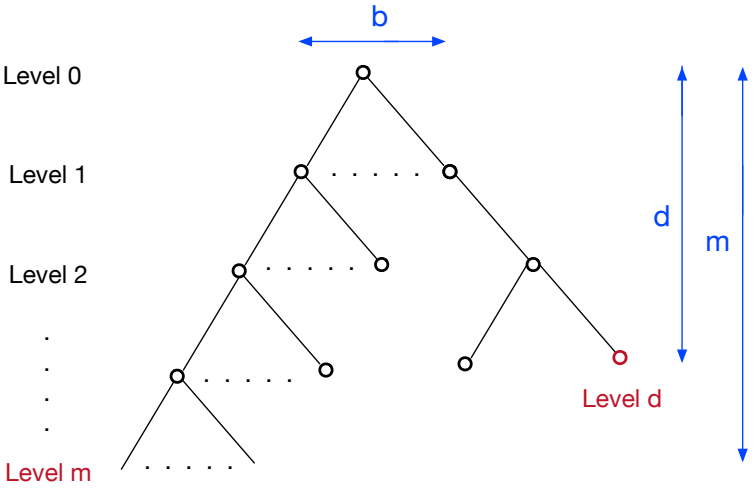
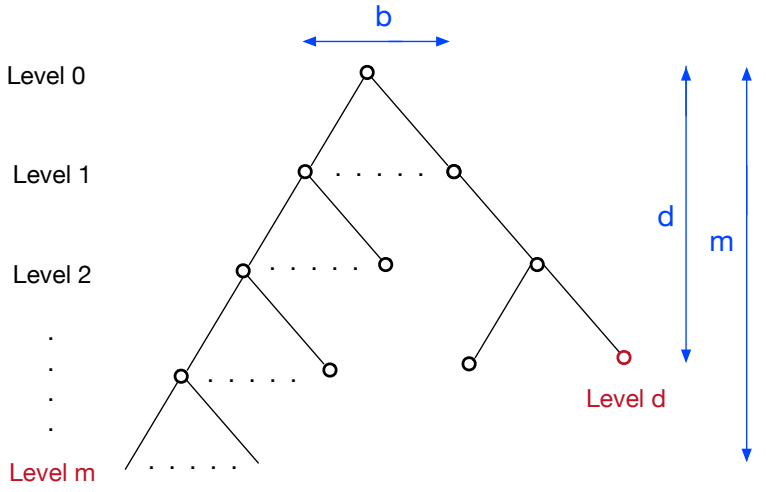


m: maximum depth
b: maximum branching factor
d: depth of least cost solution



b: maximum branching factor
d: depth of least cost solution
m: maximum depth of state step

$b = 10$ $1000\ B/node$

$d = 10$ $10^6\ nodes/sec$

$b = 20$

	BFS		DFS	IDS
T	b^d	<<	b^m	b^d
	$\frac{10^{10}}{10^6} = 3\ hrs$		$\frac{10^{20}}{10^6} = 10^{14}$	$3\ hrs$
M	b^d	>>	$b \times m$	$b \times d$
	$10\ TB$		$10 \times 20 \times 1000 = 200\ KB$	$100\ KB$