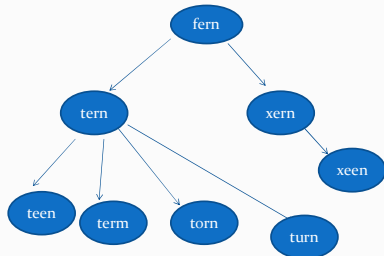


## Graph is implicit

- Use dictionary to generate adjacent vertices

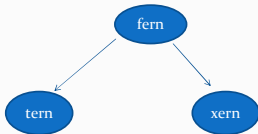


- For OPEN use a queue
- For CLOSED use a map

- Say finding path from fern to turn

queue	word	From where
fern		

- Remove front of queue (fern) and generate words adjacent to it



- Pretend words in dictionary which are adjacent to fern are tern and xern

queue	word	From where
tern xern	tern	fern
	xern	fern

- Take tern off front of queue and generate words adjacent to it

queue	word	From where
xern teen term torn turn	tern	fern
	xern	fern
	teen	tern
	term	tern
	torn	tern
	turn	tern

Print solution from map

word	From where
fern	fern
tern	fern
xern	fern
teen	tern
term	tern
torn	tern
turn	tern

fern tern turn