

a →

step 1: init PQ

	1	3	4	5
2	(1,2)			
3				
4				
6				

step 2: pop (1,2), push 2 successors

	1	3	4	5
2	(1,2) → (3,2)	(1,2)		
3	(1,3)			
4				
6				

step 3: pop (1,3), push 2 successors

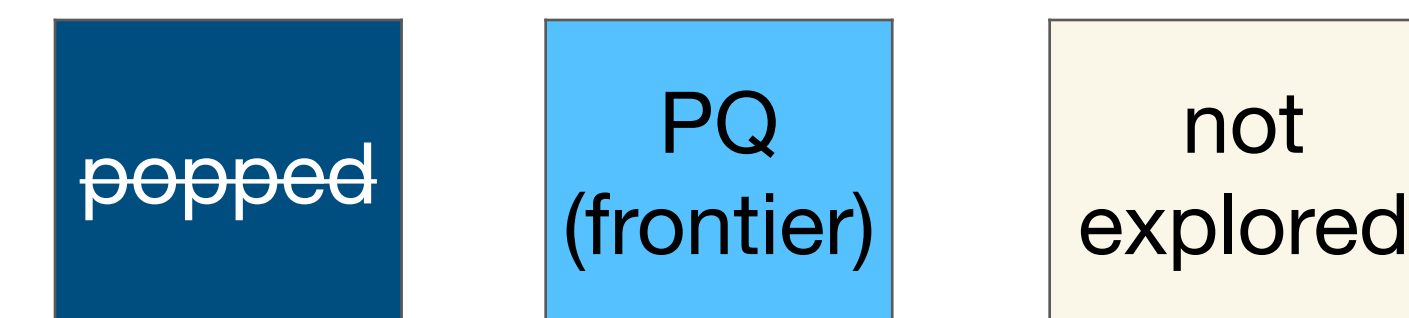
	1	3	4	5
2	(1,2)	(1,2)		
3	(1,3) → (3,3)	(1,3)		
4	(1,4)			
6				

	1	3	4	5
2	(1,2)	(3,2) → (4,2)	(3,2)	
3	(1,3)	(1,3)		
4	(1,4)			
6				

step 4: pop (3,2), push 1 successor!

	1	3	4	5
2	(1,2)	(3,2)	(1,2)	
3	(1,3)	(1,3)		
4	(1,4) → (3,4)	(1,4)		
6	(1,6)			

step 5: pop (1,4), push 2 successors (optional)



covered in water waterfront dry area

