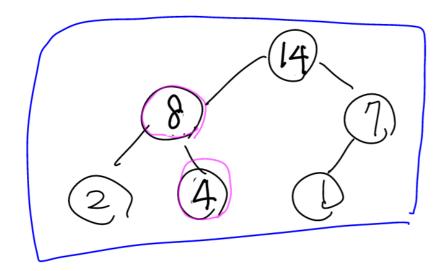
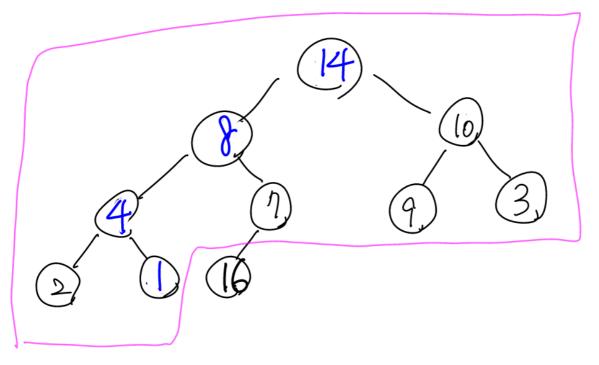
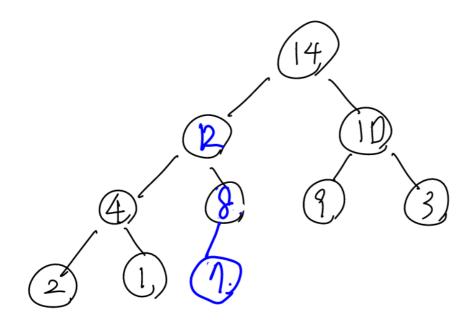
@Navigation Mesh

heap (dota structure)
priority gueue
hash container (unordered_set)
A Har algorithm
Navigation Mesh in Unity

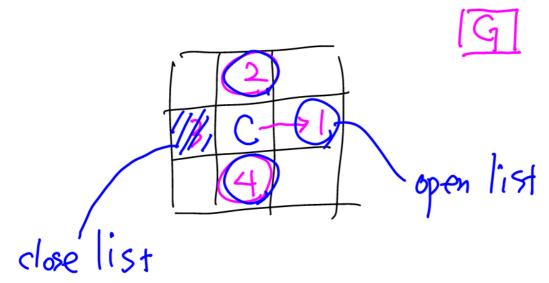






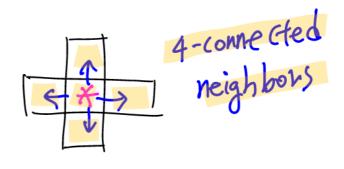
4td::priority-gueue (> >uses heap

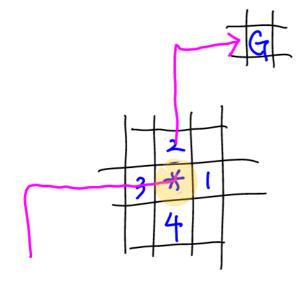
std::priority_gueure < AstarNode>



std::unordered_set < A Star Node>

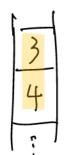
@Astar algorithm (basic)



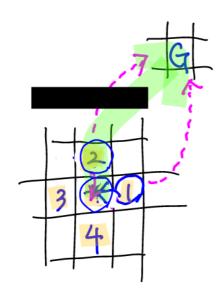


close list

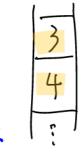
open list (priority queue)







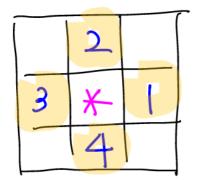
close list

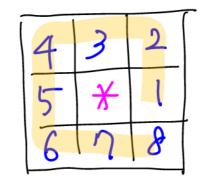


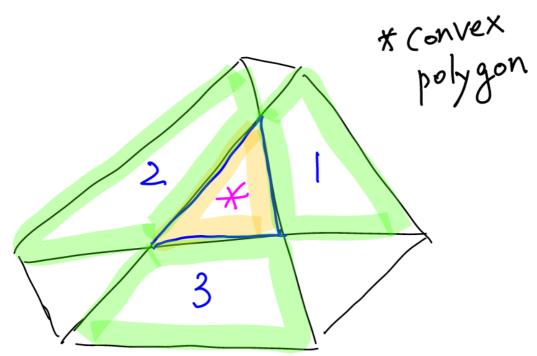


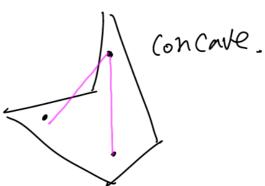
(2018.5.4)

@ Extending neighbors



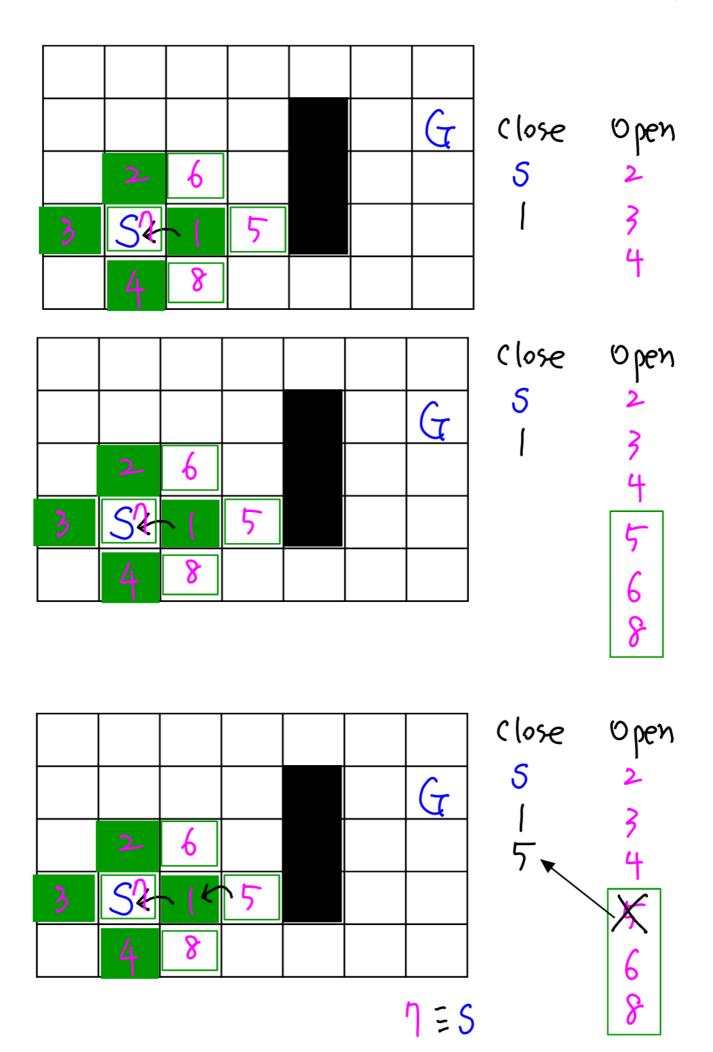






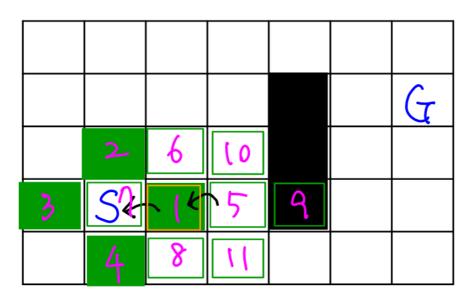
@Attar algorithm (detail)

	S			G	Close (null)	Open S
3	2 S 4	(G	Close 5	0 pen 1 2 3
3	2 S&	~ (G	Close 5	0 pen X 2 3 4



Open

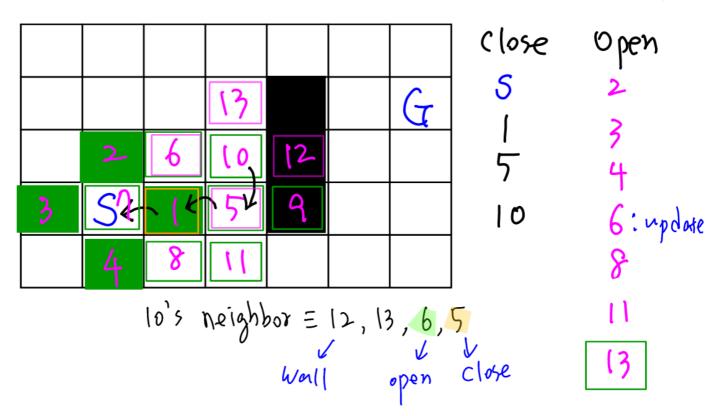
Close

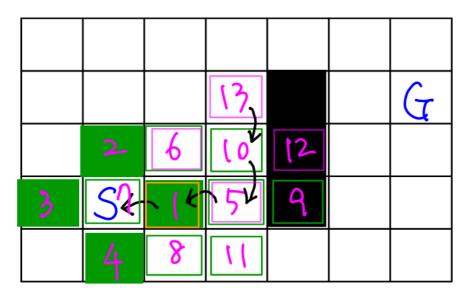


 5^{2} s neighbors = 9, 10, 1, 119 = wall (not a neighbor)

11

					J
	2	6	(0)		
3	SZ	~ K	57	9	
	4	8	11		





			5		
		16	13,	14	J
	2	6	50	12	
3	S	Y V	3	9	
	4	8	11		

15

(8)

		(19)	15	(1)	
		16	(13×	14	J
	2	6	(0)	12	
3	SZ	~ (K	154	9	
	4	8	11		

* final result

		19	15€	1/)		Close 5	0 pen
		16	(13V)	14	G	5	2
	2	6	(0)	12		5	<i>5</i> 4
3	S&	\ [k	154	9		10	6
	4	8	11			13	8
						15	11
						(1)	16
						:	19
						- 12	;
					(50/8	,5.67	