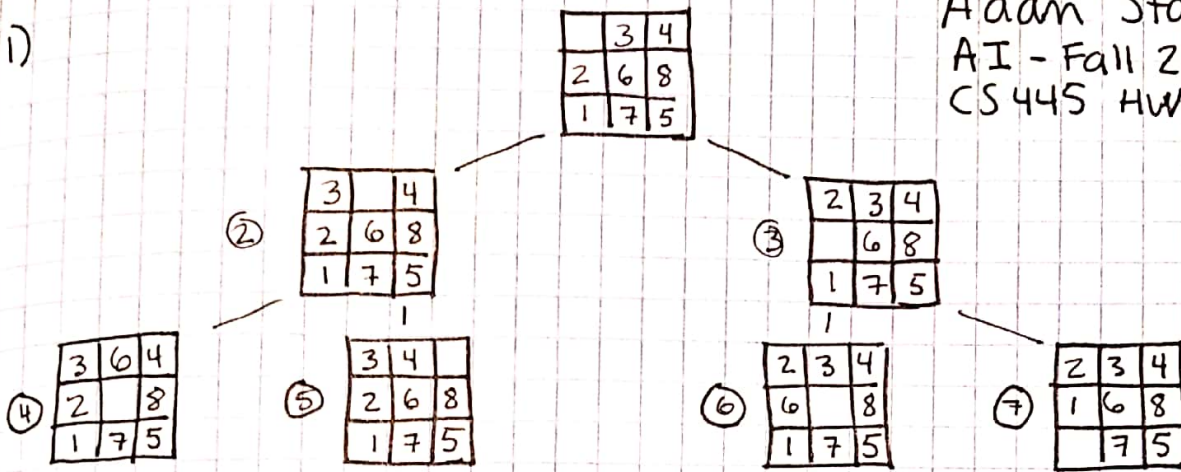


1)



2)

	3	4
2	6	8
1	7	5

3		4
2	6	8
1	7	5

3	4	
2	6	8
1	7	5

3	4	8
2	6	
1	7	5

3	4	8
2		6
1	7	5

Expanded using the following  
priority to fill the blank square:

LEFT, RIGHT, UP, DOWN

3)

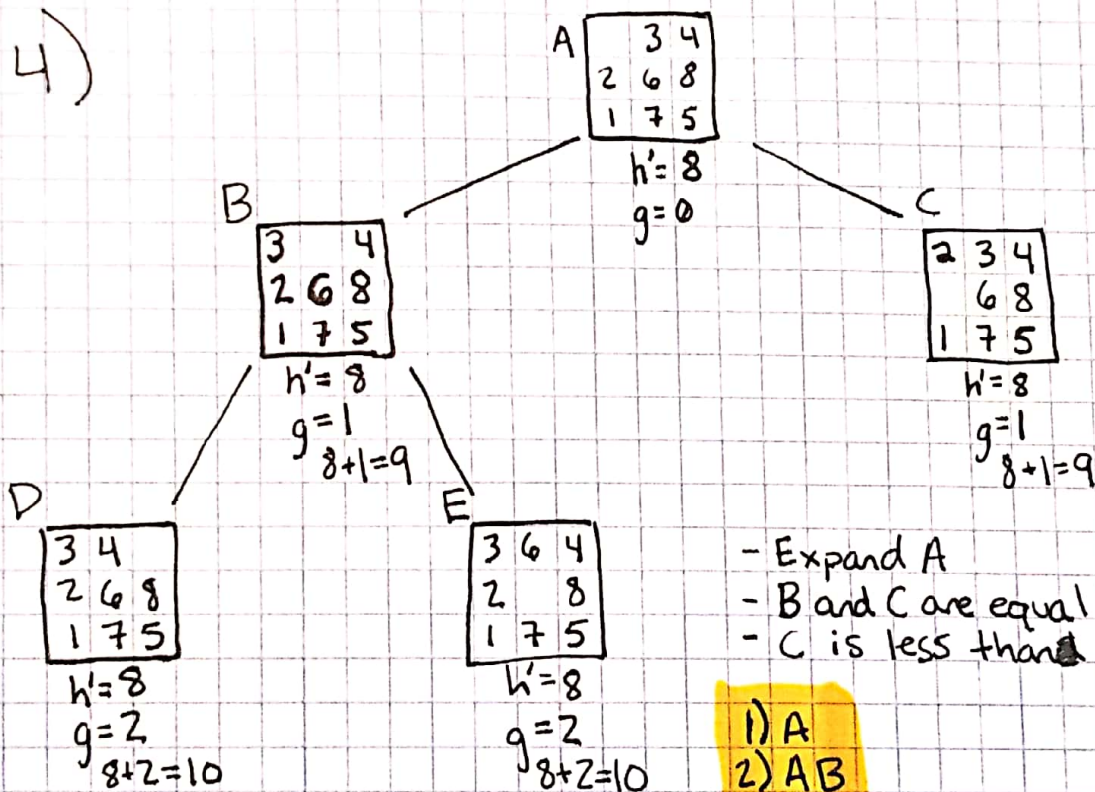
①	3	4
	2	6
	1	7

③	3	4
	2	6
	1	7

②	3	4
	2	6
	1	7

④	3	4
	2	6
	1	7

4)



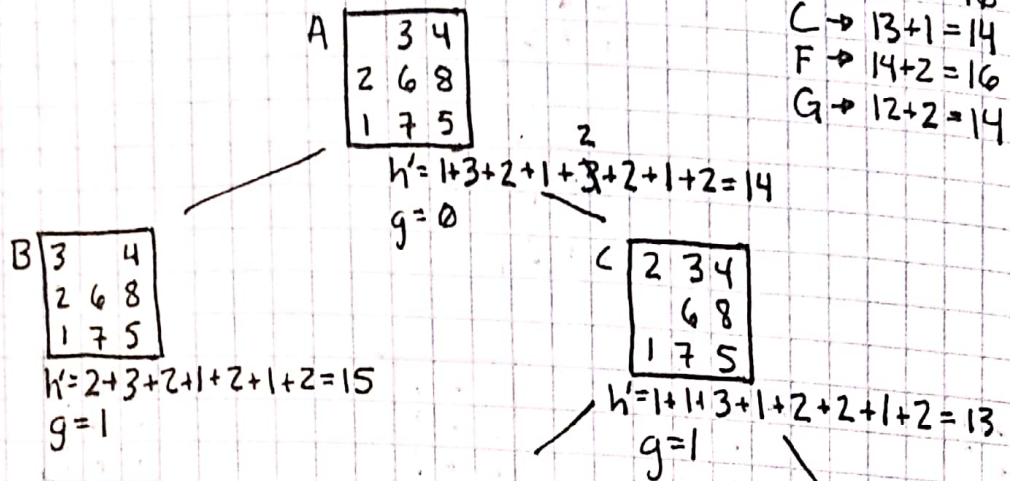
$A \rightarrow 8+0=8$   
 $B \rightarrow 8+1=9$   
 $C \rightarrow 8+1=9$   
 $D \rightarrow 8+2=10$   
 $E \rightarrow 8+2=10$

- Expand A
- B and C are equal so expand B (LRUD)
- C is less than D and E so expand C

1) A  
 2) AB  
 3) AC

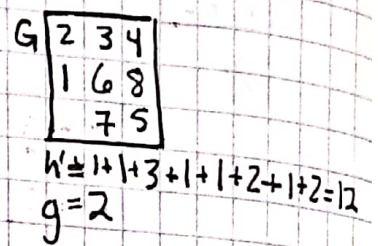
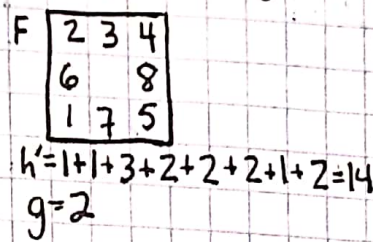


5)



$A \rightarrow 14 + 0 = 14$   
 $B \rightarrow 15 + 1 = 16$   
 $C \rightarrow 13 + 1 = 14$   
 $F \rightarrow 14 + 2 = 16$   
 $G \rightarrow 12 + 2 = 14$

- 1) Expand A
- 2) C is less than B, so expand C
- 3) G is less than B and F, so expand G



- 1) A
- 2) A  $\rightarrow$  C
- 3) A  $\rightarrow$  C  $\rightarrow$  G