Problem 1:

Initial: Number of attacking Queens: 4

Q	Q	Q	Q

State 1:
Number of attacking Queens: 4
Board Number :

Q			
	Q	Q	Q

State 2:
Number of attacking Queens: 2
Board Number : 64

	Q		
Q			
		Q	Q

State 3:
Number of attacking Queens: 0
Board Number : 768

	Q		
			Q
Q			
		Q	

Problem 2:

Q			
	Q		
		Q	
			Q

Problem 3:

Board 1:
Number of attacking Queens: 4

Q	Q	Q	Q

Child 1:
Number of attacking Queens: 4
Board Number : 8

Q			
	Q	Q	Q

Child 2:
Number of attacking Queens: 4
Board Number : 12

Q			
	Q	Q	Q

Board 2:
Number of attacking Queens: 4

Q			
	Q		
		Q	
			Q

Child 1:
Number of attacking Queens: 4
Board Number : 4

	Q		
		Q	
Q			Q

Child 2:
Number of attacking Queens: 4
Board Number : 8

	Q		
Q		Q	
			Q

After Selecting best children. We are left with :

New Board 1:
Number of attacking Queens: 4

Q			
	Q	Q	Q

Child 1:
Number of attacking Queens: 3
Board Number : 64

	Q		
Q		Q	Q

Child 2:
Number of attacking Queens: 3
Board Number : 192

		Q	
Q			
	Q		Q

New Board 2:
Number of attacking Queens: 4

	Q		
		Q	
Q			Q

Child 1:
Number of attacking Queens: 3
Board Number : 64

	Q		
		Q	
Q			Q

Child 2:
Number of attacking Queens: 4
Board Number : 128

		Q	
Q	Q		Q