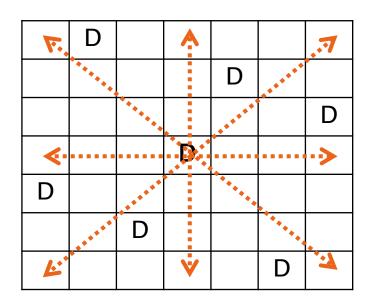
- Due: next Wed. 23:59:59
- Filename: HW#\_StuID.zip
  - Ex) HW3\_Q123456.zip

- 7 dwarfs are going to search for Snow White
- Every dwarf wants to be the first one seeing SW. Therefore, they don't want to see other dwarfs in their sights.
- Rules:
  - Dispose 7 dwarfs on a 7 by 7 land such that none of them is able to attack any other on the same row, column, or diagonal.



# Requirements

- Write a program which lets users input the initial position of the first dwarf
  - Note that the index starts at (0,0)
- Place the rest 6 dwarfs on the land if possible

#### Bonus:

 Show all 6 fundamental solutions without symmetry operations, i.e., rotations or reflections. (total 40 solutions)

- Output format:
  - A column sequence showing the column number of each position from row 0 to row 6
  - E.g.) 0, 2, 4, 6, 1, 3, 5

	0	1	2	3	4	5	6
0	D						
1			D				
2					D		
3 4							D
		D					
5				D			
6						D	

### Hints:

- Enumerate all possible moves
- Prune some unnecessary checks

	0	1	2	3	4	5	6
0	D	Х	Х	Х	Х	Х	Х
1	Х	X					
2	Х		Х				
3	Х			Х			
4	X				Х		
5	Х					Х	
6	Х						Х

	0	1	2	3	4	5	6
0	D	Х	Х	Х	Х	Х	Х
1	Х	X	D	Х	Х	Х	Х
2	Х	Х	X				
3	Х		X	Х			
4	Х		X		Х		
5	Х		Х			Х	
6	Х		X				Х